



TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE

TIMSS

TIMSS 2003 User Guide for the International Database

Supplement Two

National Adaptations of International
Background Questionnaire Items

2



International Association
for the Evaluation of
Educational Achievement

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International Association for the Evaluation of Educational Achievement (IEA)

TIMSS 2003 User Guide for the International Database / Edited by Michael O. Martin

Publisher:

TIMSS & PIRLS International Study Center
Lynch School of Education
Boston College

Library of Congress Catalog Card Number:
2005921005

ISBN:

1-889938-36-X

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Boston College is an equal opportunity, affirmative action employer.
Printed and bound in the United States.

Supplement 2: National Adaptations of International Background Questionnaire Items

Overview

This supplement describes adaptations made by countries to the international versions of the background questionnaire items. It provides users with a guide to evaluate the availability of internationally comparable data for use in secondary analyses involving the TIMSS 2003 background variables. It also provides information on the sampling stratification used in national samples.

National adaptations to questionnaires are presented in seven sections corresponding to each of the Eighth or Fourth Grade questionnaire types:

- Section 1: Eighth Grade - Student Questionnaire
- Section 2: Eighth Grade - Mathematics Teacher Questionnaire
- Section 3: Eighth Grade - Science Teacher Questionnaire
- Section 4: Eighth Grade - School Questionnaire
- Section 5: Eighth Grade - Sampling Stratification Information
- Section 6: Fourth Grade - Student Questionnaire
- Section 7: Fourth Grade - Teacher Questionnaire
- Section 8: Fourth Grade - School Questionnaire
- Section 9: Fourth Grade - Sampling Stratification Information

To each questionnaire, information is included when the version of the question administered in a country was different from the version of the question as it appears in the international version of the questionnaires. For each question, the following information is provided:

- Question number in questionnaire
- Question text
- Variable Name(s)
- National Adaptation Documentation, listed by country.

In the National Adaptation Documentation, countries are given one of two different data codes:

- Code D: National data for country are included in the international database.

This code is used for questions that were to be defined by the country and the specific national version is considered appropriate for comparison.

- Code X: National data for country are NOT included in the international database.

This code is used to refer to all questions that were not administered, not applicable, or deleted for any of several reasons (e.g., not internationally comparable, removed per country request, or removed due to other data problems).

The documentation provided is as complete as possible given the information provided by the National Research Coordinators at the time this document was published.

Section 1

Eighth Grade – Student Questionnaire

Section 1: Eighth Grade - Student Questionnaire

SQ2-03 / SQ2S-03

Question:

How often do you speak <language of test> at home?

- 1 = Always
- 2 = Almost always
- 3 = Sometimes
- 4 = Never

Variable Name(s): BSBGOLAN

Country	Item ID	Code	Documentation
SAUDI ARABIA	SQ2-03	D	Gang punched to "Always"

SQ2-04 / SQ2S-04

Question:

About how many books are there in your home? (Do not count magazines, newspapers, or your school books)

- 1 = None or very few (0 - 10 books)
- 2 = Enough to fill one shelf (11 - 25 books)
- 3 = Enough to fill one bookcase (26 - 100 books)
- 4 = Enough to fill two bookcases (101 - 200 books)
- 5 = Enough to fill three or more bookcases (more than 200 books)

Variable Name(s): BSBGBOOK

Country	Item ID	Code	Documentation
GHANA	SQ2-04	D	National options recoded to fit international categories: 1 = 0 - 10 books 2 = 11 - 25 books 3 = 26 - 100 books 4 = 101 - 200 books 5 = 201 - 300 books / 301 - 400 books / More than 400 books
LATVIA	SQ2S-04	D	National options recoded to fit international categories: 1 = None or very few (0-10 books) 2 = Enough to fill one shelf (11-25 books) 3 = Enough to fill one bookcase (26-100 books) 4 = Enough to fill two bookcases (101-200 books) 5 = Enough to fill three or more bookcases (201 - 1000) / Have a library with 1000 books or more
RUSSIAN FED.	SQ2S-04	D	National options recoded to fit international categories: options: 1 = None or very few (0-10 books) 2 = Enough to fill one shelf (11-25 books) 3 = Enough to fill one bookcase (26-100) books 4 = Enough to fill two bookcases (101-200 books) 5 = Enough to fill three or more bookcases (201-1000 books) / Have a library with 1000 books or more
TUNISIA	SQ2-04	D	National options recoded to fit international categories: 1 = None or very few (0 - 10 books) 2 = Enough to fill one shelf (11 - 25 books) 3 = Enough to fill one bookcase (26 - 100 books) 4 = Enough to fill two bookcases (101 - 200 books) 5 = Enough to fill three bookcases (201 - 300 books) / Enough to fill four bookcases (301 - 400 books) / Enough to fill five or more bookcases (more than 400 books)

SQ2-05A-P / SQ2S-05A-P**Question:**

Do you have any of these items at your home?

A: Calculator

B: Computer (do not include PlayStation, GameCube, Xbox, or other TV/video game computers)

C: Study desk/table for your use

D: Dictionary

E: <country-specific>

F: <country-specific>

G: <country-specific>

H: <country-specific>

I: <country-specific>

J: <country-specific>

K: <country-specific>

L: <country-specific>

M: <country-specific>

N: <country-specific>

O: <country-specific>

P: <country-specific>

1 = Yes

2 = No

Variable Name(s): BSBGPS01, BSBGPS02, BSBGPS03, BSBGPS04, BSBGPS05, BSBGPS06, BSBGPS07, BSBGPS08, BSBGPS09, BSBGPS10, BSBGPS11, BSBGPS12, BSBGPS13, BSBGPS14, BSBGPS15, BSBGPS16

Country	Item ID	Code	Documentation
ARMENIA	SQ2S-05E	D	Bible
ARMENIA	SQ2S-05F-P	X	Option not administered or data not available
AUSTRALIA	SQ2-05E	D	Mobile phone
AUSTRALIA	SQ2-05F	D	Musical instrument
AUSTRALIA	SQ2-05G	D	Internet connection
AUSTRALIA	SQ2-05H	D	DVD player
AUSTRALIA	SQ2-05I	D	Dishwasher
AUSTRALIA	SQ2-05J	D	Microwave oven
AUSTRALIA	SQ2-05K-P	X	Option not administered or data not available
BAHRAIN	SQ2-05E	D	Geometric tools
BAHRAIN	SQ2-05F	D	Library
BAHRAIN	SQ2-05G	D	Internet
BAHRAIN	SQ2-05H	D	Educational video cassettes
BAHRAIN	SQ2-05I	D	Educational video games (e.g. Playstation)
BAHRAIN	SQ2-05J	D	Radio or cassette recorder
BAHRAIN	SQ2-05K	D	Entertaining games
BAHRAIN	SQ2-05L	D	Drawing tools
BAHRAIN	SQ2-05M	D	Satellite (dish)
BAHRAIN	SQ2-05N	D	Subscription on educational channel
BAHRAIN	SQ2-05O	D	TV
BAHRAIN	SQ2-05P	D	Video
BASQUE CTY, SPAIN	SQ2-05E	D	Separate room for each child
BASQUE CTY, SPAIN	SQ2-05F	D	Internet connection
BASQUE CTY, SPAIN	SQ2-05G	D	Microwave
BASQUE CTY, SPAIN	SQ2-05H	D	Dishwasher

BASQUE CTY, SPAIN	SQ2-05I	D	Mobile phone
BASQUE CTY, SPAIN	SQ2-05J	D	Video
BASQUE CTY, SPAIN	SQ2-05K	D	DVD
BASQUE CTY, SPAIN	SQ2-05L	D	Satellite
BASQUE CTY, SPAIN	SQ2-05M	D	Game consoles, e.g. Playstation, Dreamcast, Nintendo or similar
BASQUE CTY, SPAIN	SQ2-05N	D	Gameboy
BASQUE CTY, SPAIN	SQ2-05O	D	Car
BASQUE CTY, SPAIN	SQ2-05P	D	Two or more cars
BELGIUM (FLEMISH)	SQ2S-05E	D	Video
BELGIUM (FLEMISH)	SQ2S-05F	D	CD player
BELGIUM (FLEMISH)	SQ2S-05G	D	Garage with two cars
BELGIUM (FLEMISH)	SQ2S-05H	D	Bathroom with toilet
BELGIUM (FLEMISH)	SQ2S-05I	D	Microwave oven
BELGIUM (FLEMISH)	SQ2S-05J	D	Wireless phone or a mobile
BELGIUM (FLEMISH)	SQ2S-05K	D	Videocamera
BELGIUM (FLEMISH)	SQ2S-05L	D	Seperate shower
BELGIUM (FLEMISH)	SQ2S-05M	D	Garden
BELGIUM (FLEMISH)	SQ2S-05N	D	Central heating
BELGIUM (FLEMISH)	SQ2S-05O	D	Guest room
BELGIUM (FLEMISH)	SQ2S-05P	D	Swimming pool
BOTSWANA	SQ2-05E	D	Electricity
BOTSWANA	SQ2-05F	D	Running tap water
BOTSWANA	SQ2-05G	D	Flushing toilet
BOTSWANA	SQ2-05H	D	Telephone
BOTSWANA	SQ2-05I	D	Radio
BOTSWANA	SQ2-05J	D	Television
BOTSWANA	SQ2-05K	D	Refrigerator
BOTSWANA	SQ2-05L	D	Parafin/gas/electric stove
BOTSWANA	SQ2-05M-P	X	Option not administered or data not available
BULGARIA	SQ2S-05E	D	Encyclopedia
BULGARIA	SQ2S-05F	D	Your own books
BULGARIA	SQ2S-05G	D	TV set
BULGARIA	SQ2S-05H	D	Cable TV
BULGARIA	SQ2S-05I	D	Hi-Fi
BULGARIA	SQ2S-05J	D	Children's room
BULGARIA	SQ2S-05K	D	CD player
BULGARIA	SQ2S-05L	D	Internet connection
BULGARIA	SQ2S-05M	D	Your own cell phone
BULGARIA	SQ2S-05N-P	X	Question not administered or data not available
CHILE	SQ2-05E	D	Video tape recorder
CHILE	SQ2-05F	D	Water heater
CHILE	SQ2-05G	D	Fixed telephone (not cellular)
CHILE	SQ2-05H	D	A car for the family
CHILE	SQ2-05I-P	X	Option not administered or data not available
CHINESE TAIPEI	SQ2-05E	D	Encyclopedia

CHINESE TAIPEI	SQ2-05F	D	Compact disc, software or videotape for learning math
CHINESE TAIPEI	SQ2-05G	D	Reference books for learning math
CHINESE TAIPEI	SQ2-05H	D	Extracurricular books for learning math (including monthly magazine, comic books for math etc.)
CHINESE TAIPEI	SQ2-05I	D	Tools for learning math (including mathematical toys/games, blocks etc.)
CHINESE TAIPEI	SQ2-05J	D	Compact disc, software or videotape for learning science
CHINESE TAIPEI	SQ2-05K	D	Reference books for learning science
CHINESE TAIPEI	SQ2-05L	D	Extracurricular books for learning science (monthly magazine, biographies of scientists etc.)
CHINESE TAIPEI	SQ2-05M	D	Tools for learning science (including magnifying glasses, microscopes, telescopes etc.)
CHINESE TAIPEI	SQ2-05N	D	Pets or plants that are taken care of by you
CHINESE TAIPEI	SQ2-05O	D	Cable TV
CHINESE TAIPEI	SQ2-05P	D	Room of your own or shared with siblings
CYPRUS	SQ2S-05E	D	Encyclopedia
CYPRUS	SQ2S-05F-P	X	Option not administered or data not available
EGYPT	SQ2-05E	D	Geometric drawing tools
EGYPT	SQ2-05F	D	Educational material
EGYPT	SQ2-05G	D	TV
EGYPT	SQ2-05H	D	Educational videotapes
EGYPT	SQ2-05I	D	Telephone
EGYPT	SQ2-05J	D	Educational channels
EGYPT	SQ2-05K	D	Internet access
EGYPT	SQ2-05L	D	Art drawing tools
EGYPT	SQ2-05M	D	Music instruments
EGYPT	SQ2-05N	D	Sports equipment
EGYPT	SQ2-05O	D	Electricity at home
EGYPT	SQ2-05P	D	Drinking water at home
ENGLAND	SQ2-05E	D	Own bedroom
ENGLAND	SQ2-05F	D	Mobile phone
ENGLAND	SQ2-05G	D	Encyclopedia (book or CD-ROM)
ENGLAND	SQ2-05H-P	X	Option not administered or data not available
ESTONIA	SQ2S-05E	D	Encyclopedia
ESTONIA	SQ2S-05F	D	TV
ESTONIA	SQ2S-05G	D	Hi-Fi
ESTONIA	SQ2S-05H	D	Video
ESTONIA	SQ2S-05I-P	X	Option not administered or data not available
GHANA	SQ2-05E	D	Lawn mower
GHANA	SQ2-05F-P	X	Option not administered or data not available
HONG KONG	SQ2-05E	D	Electronic dictionary
HONG KONG	SQ2-05F	D	Refrigerator
HONG KONG	SQ2-05G	D	Television
HONG KONG	SQ2-05H	D	Washing machine
HONG KONG	SQ2-05I	D	Drying machine
HONG KONG	SQ2-05J	D	Airconditioner

HONG KONG	SQ2-05K	D	Laser disc player (including DVD player)
HONG KONG	SQ2-05L	D	Karaoke
HONG KONG	SQ2-05M	D	Car
HONG KONG	SQ2-05N	D	A room of your own
HONG KONG	SQ2-05O	D	Two or more bathrooms
HONG KONG	SQ2-05P	D	Room for domestic helper
HUNGARY	SQ2-05H	D	CD player
HUNGARY	SQ2S-05E	D	VCR
HUNGARY	SQ2S-05F	D	Car
HUNGARY	SQ2S-05G	D	Your own TV/VCR
HUNGARY	SQ2S-05I	D	Your own separate room
HUNGARY	SQ2S-05J	D	Internet access
HUNGARY	SQ2S-05K	D	Dishwasher
HUNGARY	SQ2S-05L	D	Educational software
HUNGARY	SQ2S-05M	D	Lexicon
HUNGARY	SQ2S-05N-P	X	Option not administered or data not available
INDIANA, US	SQ2-05E	D	Encyclopedia (as a book or CD)
INDIANA, US	SQ2-05F	D	PlayStation, GameCube, XBox, or other TV/video game system
INDIANA, US	SQ2-05G	D	DVD player
INDIANA, US	SQ2-05H	D	Three or more cars, small trucks, or sport utility vehicles
INDIANA, US	SQ2-05I-P	X	Option not administered or data not available
INDONESIA	SQ2S-05E	D	Television
INDONESIA	SQ2S-05F	D	Radio
INDONESIA	SQ2S-05G	D	Typewriter
INDONESIA	SQ2S-05H-P	X	Option not administered or data not available
IRAN, ISLAMIC REP.	SQ2-05E	D	Radio
IRAN, ISLAMIC REP.	SQ2-05F	D	Television
IRAN, ISLAMIC REP.	SQ2-05G	D	Phone
IRAN, ISLAMIC REP.	SQ2-05H	D	Car
IRAN, ISLAMIC REP.	SQ2-05I	D	Mobile
IRAN, ISLAMIC REP.	SQ2-05J	D	Video
IRAN, ISLAMIC REP.	SQ2-05K	D	Camera
IRAN, ISLAMIC REP.	SQ2-05L	D	Washing machine
IRAN, ISLAMIC REP.	SQ2-05M-P	X	Option not administered or data not available
ISRAEL	SQ2-05E	D	Encyclopedia
ISRAEL	SQ2-05F	D	Video
ISRAEL	SQ2-05G	D	Tumble dryer
ISRAEL	SQ2-05H	D	Dishwasher
ISRAEL	SQ2-05I	D	More than one TV
ISRAEL	SQ2-05J	D	Microwave
ISRAEL	SQ2-05K	D	Cellular phone
ISRAEL	SQ2-05L	D	Discman
ISRAEL	SQ2-05M	D	Airconditioning
ISRAEL	SQ2-05N	D	Vacuum cleaner
ISRAEL	SQ2-05O	D	Camera

ISRAEL	SQ2-05P	D	Video camera
ITALY	SQ2-05E	D	Books other than school books
ITALY	SQ2-05F	D	Multimedial encyclopedia
ITALY	SQ2-05G	D	Single room or place for study
ITALY	SQ2-05H	D	Your television
ITALY	SQ2-05I	D	Washing machine
ITALY	SQ2-05J	D	Microwave oven
ITALY	SQ2-05K	D	Satellite dish
ITALY	SQ2-05L	D	Video camera
ITALY	SQ2-05M	D	Your cellphone
ITALY	SQ2-05N	D	Air conditioner
ITALY	SQ2-05O	D	Anti-theft device
ITALY	SQ2-05P	D	Modem
JAPAN	SQ2-05E	D	Notebook
JAPAN	SQ2-05F	D	Textbook
JAPAN	SQ2-05G	D	Internet
JAPAN	SQ2-05H	D	Triangle (set square)
JAPAN	SQ2-05I	D	Compasses
JAPAN	SQ2-05J	D	Microscope
JAPAN	SQ2-05K	D	Telescope
JAPAN	SQ2-05L	D	Terrestrial globe
JAPAN	SQ2-05M	D	Animal guide
JAPAN	SQ2-05N	D	Plant guide
JAPAN	SQ2-05O	D	Magnifying glass
JAPAN	SQ2-05P	D	Encyclopedia
JORDAN	SQ2-05E	D	Geometric tools
JORDAN	SQ2-05F	D	Library
JORDAN	SQ2-05G	D	Internet access
JORDAN	SQ2-05H	D	Educational video tapes
JORDAN	SQ2-05I	D	TV/video computer games
JORDAN	SQ2-05J	D	Radio or recorder
JORDAN	SQ2-05K	D	Toys
JORDAN	SQ2-05L	D	Drawing tools
JORDAN	SQ2-05M	D	Satellite
JORDAN	SQ2-05N	D	Access to educational satellite channels
JORDAN	SQ2-05O	D	Television
JORDAN	SQ2-05P	D	Video
KOREA, REP. OF	SQ2-05E	D	Your own study room
KOREA, REP. OF	SQ2-05F	D	Camera
KOREA, REP. OF	SQ2-05G	D	Notebook computer
KOREA, REP. OF	SQ2-05H	D	Car
KOREA, REP. OF	SQ2-05I	D	Air conditioner
KOREA, REP. OF	SQ2-05J	D	Audio
KOREA, REP. OF	SQ2-05K	D	VTR (video tape recorder)
KOREA, REP. OF	SQ2-05L	D	Camcorder

KOREA, REP. OF	SQ2-05M	D	Cellular phone
KOREA, REP. OF	SQ2-05N	D	Printer
KOREA, REP. OF	SQ2-05O	D	Washing machine
KOREA, REP. OF	SQ2-05P	D	Refrigerator for kimchi
LATVIA	SQ2S-05E	D	Encyclopedia
LATVIA	SQ2S-05F	D	Atlas or globe
LATVIA	SQ2S-05G	D	Daily newspaper
LATVIA	SQ2S-05H	D	Monthly journal
LATVIA	SQ2S-05I	D	Video recorder
LATVIA	SQ2S-05J	D	Audio tape recorder
LATVIA	SQ2S-05K	D	CD player
LATVIA	SQ2S-05L	D	Electronic game
LATVIA	SQ2S-05M	D	Walkman or discman
LATVIA	SQ2S-05N	D	Bicycle
LATVIA	SQ2S-05O	D	Car
LATVIA	SQ2S-05P	D	Your own room at home
LEBANON	SQ2S-05E	D	Internet
LEBANON	SQ2S-05F	D	Specialized CD-ROM
LEBANON	SQ2S-05G	D	Scientific encyclopedia
LEBANON	SQ2S-05H	D	Scientific magazines
LEBANON	SQ2S-05I-P	X	Option not administered or data not available
LITHUANIA	SQ2S-05E	D	Encyclopedia
LITHUANIA	SQ2S-05F	D	Newspapers and magazines
LITHUANIA	SQ2S-05G-P	X	Option not administered or data not available
MACEDONIA, REP.	SQ2S-05E	D	Video
MACEDONIA, REP.	SQ2S-05F	D	TV
MACEDONIA, REP.	SQ2S-05G	D	Internet access
MACEDONIA, REP.	SQ2S-05H	D	Washing machine
MACEDONIA, REP.	SQ2S-05I	D	Dish washer
MACEDONIA, REP.	SQ2S-05J	D	Telephone
MACEDONIA, REP.	SQ2S-05K	D	Paintings
MACEDONIA, REP.	SQ2S-05L	D	Own room
MACEDONIA, REP.	SQ2S-05M	D	Bicycle
MACEDONIA, REP.	SQ2S-05N	D	Automobile
MACEDONIA, REP.	SQ2S-05O	D	Tape recorder
MACEDONIA, REP.	SQ2S-05P	D	Camera
MALAYSIA	SQ2-05E	D	Reference book
MALAYSIA	SQ2-05F	D	Video
MALAYSIA	SQ2-05G-P	X	Option not administered or data not available
MOLDOVA, REP. OF	SQ2S-05E	D	TV
MOLDOVA, REP. OF	SQ2S-05F	D	Video
MOLDOVA, REP. OF	SQ2S-05G	D	Camera
MOLDOVA, REP. OF	SQ2S-05H	D	Tape recorder
MOLDOVA, REP. OF	SQ2S-05I	D	Telephone
MOLDOVA, REP. OF	SQ2S-05J	D	Own room

MOLDOVA, REP. OF	SQ2S-05K	D	Bicycle
MOLDOVA, REP. OF	SQ2S-05L	D	Car
MOLDOVA, REP. OF	SQ2S-05M	D	Pet
MOLDOVA, REP. OF	SQ2S-05N-P	X	Option not administered or data not available
MOROCCO	SQ2-05E	D	Geometric tools
MOROCCO	SQ2-05F	D	Internet access
MOROCCO	SQ2-05G	D	Games
MOROCCO	SQ2-05H-P	X	Option not administered or data not available
NETHERLANDS	SQ2S-05E-P	X	Option not administered or data not available
NEW ZEALAND	SQ2-05E	D	Television
NEW ZEALAND	SQ2-05F	D	Musical instruments (e.g. piano, guitar)
NEW ZEALAND	SQ2-05G	D	CD player
NEW ZEALAND	SQ2-05H	D	Video camera
NEW ZEALAND	SQ2-05I	D	Cell phone
NEW ZEALAND	SQ2-05J	D	Clothes dryer
NEW ZEALAND	SQ2-05K	D	Dishwasher
NEW ZEALAND	SQ2-05L	D	Two bathrooms
NEW ZEALAND	SQ2-05M	D	Second car
NEW ZEALAND	SQ2-05N	D	Video games (e.g. Playstation)
NEW ZEALAND	SQ2-05O	D	Educational computer software (e.g. Encarta Microsoft Encyclopedia)
NEW ZEALAND	SQ2-05P	X	Option not administered or data not available
NORWAY	SQ2-05E	D	Encyclopedia
NORWAY	SQ2-05F	D	Atlas
NORWAY	SQ2-05G	D	Globe
NORWAY	SQ2-05H	D	Binoculars
NORWAY	SQ2-05I	D	Aquarium
NORWAY	SQ2-05J	D	Piano
NORWAY	SQ2-05K	D	Cottage and/or cabin cruiser
NORWAY	SQ2-05L	D	Video recorder
NORWAY	SQ2-05M	D	Video camera
NORWAY	SQ2-05N	D	More than one TV
NORWAY	SQ2-05O	D	More than one bathroom
NORWAY	SQ2-05P	D	More than one car
ONTARIO, CANADA	SQ2-05E	D	Computer with Internet access
ONTARIO, CANADA	SQ2-05F-P	X	Option not administered or data not available
PALESTINIAN AUTH.	SQ2-05E	D	Geometric tools
PALESTINIAN AUTH.	SQ2-05F	D	Library
PALESTINIAN AUTH.	SQ2-05G	D	Internet
PALESTINIAN AUTH.	SQ2-05H	D	Videocassettes with lessons
PALESTINIAN AUTH.	SQ2-05I	D	Playstation, Game Cube
PALESTINIAN AUTH.	SQ2-05J	D	Radio or taperecorder
PALESTINIAN AUTH.	SQ2-05K	D	Games for fun
PALESTINIAN AUTH.	SQ2-05L	D	Painting tools

PALESTINIAN AUTH.	SQ2-05M	D	Satellite dish
PALESTINIAN AUTH.	SQ2-05N	D	Participating in instructional TV channels
PALESTINIAN AUTH.	SQ2-05O	D	TV
PALESTINIAN AUTH.	SQ2-05P	D	Video
PHILIPPINES	SQ2-05E	D	Encyclopedia
PHILIPPINES	SQ2-05F	D	Radio
PHILIPPINES	SQ2-05G	D	Television (without cable)
PHILIPPINES	SQ2-05H	D	Cable TV
PHILIPPINES	SQ2-05I	D	VHS/VCD/DVD
PHILIPPINES	SQ2-05J	D	Cell phone
PHILIPPINES	SQ2-05K	D	E-mail/Internet
PHILIPPINES	SQ2-05L-P	X	Option not administered or data not available
QUEBEC, CANADA	SQ2-05E	D	Computer with Internet access
QUEBEC, CANADA	SQ2-05F-P	X	Option not administered or data not available
ROMANIA	SQ2S-05E	D	Color TV
ROMANIA	SQ2S-05F	D	Video camera
ROMANIA	SQ2S-05G	D	Digital photo camera
ROMANIA	SQ2S-05H	D	Video recorder
ROMANIA	SQ2S-05I	D	Automobile
ROMANIA	SQ2S-05J	D	Mobile phone
ROMANIA	SQ2S-05K	D	Automatic washing machine
ROMANIA	SQ2S-05L	D	Microwave oven
ROMANIA	SQ2S-05M	D	Kitchen robot
ROMANIA	SQ2S-05N	D	Jacuzzi
ROMANIA	SQ2S-05O	D	Pool
ROMANIA	SQ2S-05P	D	Art collection
RUSSIAN FED.	SQ2S-05E	D	Video recorder
RUSSIAN FED.	SQ2S-05F	D	Video camera
RUSSIAN FED.	SQ2S-05G	D	Mobile phone (personally yours)
RUSSIAN FED.	SQ2S-05H	D	TV set (two or more)
RUSSIAN FED.	SQ2S-05I	D	Dishwasher
RUSSIAN FED.	SQ2S-05J	D	Piano
RUSSIAN FED.	SQ2S-05K	D	Car (one or more)
RUSSIAN FED.	SQ2S-05L	D	Your private room
RUSSIAN FED.	SQ2S-05M	D	Country cottage (with two or more floors)
RUSSIAN FED.	SQ2S-05N	D	Musical instruments
RUSSIAN FED.	SQ2S-05O	D	Items of art (pictures, antiques, etc.)
RUSSIAN FED.	SQ2S-05P	D	Fiction
SAUDI ARABIA	SQ2-05E	D	Geometric tools
SAUDI ARABIA	SQ2-05F	D	Educational aids
SAUDI ARABIA	SQ2-05G	D	TV
SAUDI ARABIA	SQ2-05H	D	Educational videotapes
SAUDI ARABIA	SQ2-05I	D	Telephone
SAUDI ARABIA	SQ2-05J	D	Educational satellite channels
SAUDI ARABIA	SQ2-05K	D	Internet

SAUDI ARABIA	SQ2-05L	D	Drawing tools
SAUDI ARABIA	SQ2-05M	D	Tape recorder
SAUDI ARABIA	SQ2-05N	D	Gym devices
SAUDI ARABIA	SQ2-05O	D	Electricity connected
SAUDI ARABIA	SQ2-05P	D	Drinking water connected
SCOTLAND	SQ2-05E	D	Own bedroom
SCOTLAND	SQ2-05F	D	Mobile phone
SCOTLAND	SQ2-05G	D	Encyclopedia (book or CD-ROM)
SCOTLAND	SQ2-05H-P	X	Option not administered or data not available
SERBIA	SQ2S-05E	D	More than 100 books
SERBIA	SQ2S-05F	D	Internet access
SERBIA	SQ2S-05G	D	Satellite dish
SERBIA	SQ2S-05H	D	Cable TV
SERBIA	SQ2S-05I	D	Video recorder
SERBIA	SQ2S-05J	D	Your own photo camera
SERBIA	SQ2S-05K	D	Video camera
SERBIA	SQ2S-05L	D	CD encyclopedia/atlas
SERBIA	SQ2S-05M	D	Mobile phone
SERBIA	SQ2S-05N	D	Car
SERBIA	SQ2S-05O	D	Musical instrument
SERBIA	SQ2S-05P	D	An animal
SINGAPORE	SQ2-05E	D	Microwave/oven
SINGAPORE	SQ2-05F	D	Car
SINGAPORE	SQ2-05G	D	Air conditioner
SINGAPORE	SQ2-05H	D	Piano/organ/violin
SINGAPORE	SQ2-05I	D	Domestic help (e.g.maid)
SINGAPORE	SQ2-05J	D	Internet
SINGAPORE	SQ2-05K-P	X	Option not administered or data not available
SLOVAK REP.	SQ2S-05E	D	Encyclopedia
SLOVAK REP.	SQ2S-05F	D	Computer games
SLOVAK REP.	SQ2S-05G	D	Gameboy, PlayStation
SLOVAK REP.	SQ2S-05H	D	Musical instrument
SLOVAK REP.	SQ2S-05I	D	Magazine
SLOVAK REP.	SQ2S-05J	D	Bicycle
SLOVAK REP.	SQ2S-05K	D	Skates (in-line or ice)
SLOVAK REP.	SQ2S-05L	D	Ski or snowboard
SLOVAK REP.	SQ2S-05M	D	Walkman or CD player
SLOVAK REP.	SQ2S-05N	D	Music CDs or cassettes
SLOVAK REP.	SQ2S-05O	D	Animal (dog, cat, fish etc.)
SLOVAK REP.	SQ2S-05P	D	Mobile/cell phone
SLOVENIA	SQ2S-05E	D	His or her own room
SLOVENIA	SQ2S-05F	D	His or her mobile phone
SLOVENIA	SQ2S-05G	D	Gameboy, Playstation or similar
SLOVENIA	SQ2S-05H	D	His or her own skis, rollerblades or snowboard
SLOVENIA	SQ2S-05I	D	Dictionary of Slovene language

SLOVENIA	SQ2S-05J	D	More than one TV
SLOVENIA	SQ2S-05K	D	More than one car
SLOVENIA	SQ2S-05L	D	Dishwasher
SLOVENIA	SQ2S-05M	D	Dryer
SLOVENIA	SQ2S-05N	D	Video camera
SLOVENIA	SQ2S-05O	D	Daily newspaper
SLOVENIA	SQ2S-05P	D	At least once a year, I go on a vacation with my parents, to play outside my hometown (seaside, spa, skiing, mountains).
SOUTH AFRICA	SQ2-05E	D	Electricity
SOUTH AFRICA	SQ2-05F	D	Running tap water
SOUTH AFRICA	SQ2-05G	D	Television
SOUTH AFRICA	SQ2-05H	D	Video player
SOUTH AFRICA	SQ2-05I	D	CD player
SOUTH AFRICA	SQ2-05J	D	Radio
SOUTH AFRICA	SQ2-05K	D	A bedroom used only by you
SOUTH AFRICA	SQ2-05L	D	Water flushed toilets
SOUTH AFRICA	SQ2-05M	D	Motor car
SOUTH AFRICA	SQ2-05N	D	Your own Bicycle
SOUTH AFRICA	SQ2-05O	D	Telephone
SOUTH AFRICA	SQ2-05P	D	Fridge
SWEDEN	SQ2S-05E	D	Terraced house/detached house with garden
SWEDEN	SQ2S-05F	D	Sauna
SWEDEN	SQ2S-05G	D	Dishwasher
SWEDEN	SQ2S-05H	D	Microwave oven
SWEDEN	SQ2S-05I	D	VCR (video)
SWEDEN	SQ2S-05J	D	CD player
SWEDEN	SQ2S-05K	D	Camcorder
SWEDEN	SQ2S-05L	D	Cordless phone
SWEDEN	SQ2S-05M	D	Piano
SWEDEN	SQ2S-05N	D	Two or more cars
SWEDEN	SQ2S-05O	D	Access to a holiday cottage / summer house
SWEDEN	SQ2S-05P	D	Boat (with sail or motor)
SYRIAN ARAB REP.	SQ2-05E	D	Geometric drawing tools
SYRIAN ARAB REP.	SQ2-05F	D	Educational materials, e.g. cassettes
SYRIAN ARAB REP.	SQ2-05G	D	TV
SYRIAN ARAB REP.	SQ2-05H	D	Educational videotapes
SYRIAN ARAB REP.	SQ2-05I	D	Phone
SYRIAN ARAB REP.	SQ2-05J	D	TV channels
SYRIAN ARAB REP.	SQ2-05K	D	Internet access
SYRIAN ARAB REP.	SQ2-05L	D	Art drawing tools
SYRIAN ARAB REP.	SQ2-05M	D	Music instruments
SYRIAN ARAB REP.	SQ2-05N	D	Sports equipment
SYRIAN ARAB REP.	SQ2-05O	D	Electricity at home
SYRIAN ARAB REP.	SQ2-05P	D	Home is connected with the fresh water circuit
TUNISIA	SQ2-05E	D	Geometric materials

TUNISIA	SQ2-05F	D	Library
TUNISIA	SQ2-05G	D	Internet access
TUNISIA	SQ2-05H	D	Didactic materials
TUNISIA	SQ2-05I	D	Didactic games
TUNISIA	SQ2-05J	D	Audiovisual instruments
TUNISIA	SQ2-05K	D	Games
TUNISIA	SQ2-05L	D	Drawing materials
TUNISIA	SQ2-05M	D	Educational channel
TUNISIA	SQ2-05N	D	Television
TUNISIA	SQ2-05O	D	Video
TUNISIA	SQ2-05P	D	Telephone
UNITED STATES	SQ2-05E	D	Encyclopedia (as a book or CD)
UNITED STATES	SQ2-05F	D	PlayStation, GameCube, Xbox, or other TV/video game system
UNITED STATES	SQ2-05G	D	DVD player
UNITED STATES	SQ2-05H	D	Three or more cars, small trucks, or sport utility vehicles
UNITED STATES	SQ2-05I-P	X	Option not administered or data not available

SQ2-06A-B / SQ2S-06A-B**Question:**

A: What is the highest level of education completed by your mother (or stepmother or female guardian)?

B: What is the highest level of education completed by your father (or stepfather or male guardian)?

1 = Did not finish <ISCED 1> or did not go to school

2 = <ISCED 1>

3 = <ISCED 2>

4 = <ISCED 3>

5 = <ISCED 4B>

6 = <ISCED 5B>

7 = <ISCED 5A, first degree>

8 = Beyond <ISCED 5A, first degree>

9 = I don't know

Variable Name(s): BSBGMFED, BSBGMFED

Country	Item ID	Code	Documentation
ARMENIA	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not go to school 2 = Elementary school 3 = Basic general education (8 years) 4 = Secondary general education (10 years) / Uncompleted higher education 5 = Professional college (preliminary professional education) 6 = Option not administered or data not available 7 = University (higher education) 8 = Option not administered or data not available 9 = I do not know
AUSTRALIA	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Some secondary school 4 = Secondary school or apprenticeship 5 = Option not administered or data not available 6 = TAFE or College diploma or certificate 7 = Bachelor's degree (i.e. BA, BSc) 8 = Beyond Bachelor's degree (i.e. Master's, PhD) 9 = I don't know
BAHRAIN	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary school 2 = Basic educational certificate (primary level) 3 = Basic educational certificate (intermediate level) / One or two years of secondary education 4 = General or technical secondary education certificate 5 = Vocational or technical courses of secondary education (two years or less) 6 = Option not administered or data not available 7 = Bachelor's Degree 8 = Beyond Bachelor's Degree 9 = I do not know
BASQUE CTY, SPAIN	SQ2-06A-B	D	National options recoded to fit international categories: 1 = No school or some primary education 2 = Primary education (6 years) 3 = Primary education (8 years) 4 = Bachelor's degree, college, post secondary or professional education or similar, upper secondary 5 = Professional education second level 6 = Option not administered or data not available 7 = University 1st level (3 years) / University 2nd level (5 years) 8 = University 3rd level (PhD) 9 = I do not know

BELGIUM (FLEMISH)	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Some years of primary education or did not go to school 2 = Primary education 3 = Lower secondary education 4 = Higher secondary education 5 = Option not administered or data not available 6 = Tertiary education (not university) 7 = University 8 = PhD 9 = I do not know
BOTSWANA	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Some primary school / Did not go school 2 = Primary school 3 = Junior secondary 4 = Senior secondary 5 = Technical/vocational training 6 = Diploma 7 = First degree 8 = Master's degree or higher 9 = I don't know
BULGARIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not complete primary school 2 = Primary school 3 = Basic education 4 = Secondary education 5 = Secondary profile education 6 = Other vocational education 7 = Higher education - Bachelor's degree 8 = Higher education - Master's, PhD 9 = I do not know
CHILE	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish sixth grade or did not go to school 2 = Sixth grade (primary education) / Seventh grade (primary education) 3 = Eighth grade (completed primary education) / Uncompleted secondary education 4 = Secondary education / Post secondary education without a diploma 5 = Technical training center 6 = Professional institute 7 = University 8 = Post graduate studies (Master's or PhD) 9 = I do not know
CHINESE TAIPEI	SQ2-06A-B	D	Nationally defined options: 1 = Some primary school or did not go to school 2 = Elementary school 3 = Junior high school 4 = Senior high school, vocational school 5 = Vocational high school 6 = College/junior college of technology 7 = Bachelor's degree 8 = Master's or PhD 9 = I do not know
CYPRUS	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary education (K-6) 3 = Gymnasium (K-9) 4 = Lyceum (K-10/K-12) 5 = Two-year college 6 = Polytechnic 7 = University 8 = Post graduate education 9 = I do not know

EGYPT	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish elementary school or did not go to school 2 = Elementary school 3 = Middle school (vocational) / Middle school (academic) / Some years of secondary school but not finished or equivalent 4 = Secondary or equivalent 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = University or equivalent 8 = Post university 9 = I do not know
ENGLAND	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = No qualifications 4 = 0 Level, GCSE, GNVQ Foundation or Intermediate Level or NVQ Level 1 or 2 / A Level or GNVQ Advanced or NVQ Level 3 5 = Access course for higher education 6 = HNC, HND or equivalent 7 = Bachelor's degree 8 = Master's degree or higher 9 = I do not know
ESTONIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school, finished 6 grades 3 = Lower secondary 4 = Secondary education 5 = Post secondary vocational education 6 = 3-4 years in university without academic degree 7 = Higher education, 5 years or 200 credit points in university 8 = Academic degree 9 = I do not know
GHANA	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary or did not go to school 2 = Primary school 3 = Junior secondary school, middle school 4 = General educational certificate 'O' (ordinary) level, general educational certificate 'A' (advanced) level, senior secondary school 5 = Teacher cert 'A'; City and Guilds; DBS (diploma in business studies and secretariat) 6 = HND, technological certificate, full technological certificate 7 = Bachelor's degree 8 = Master's, PhD 9 = I do not know
HONG KONG	SQ2-06A-B	D	Nationally defined options: 1 = Some primary school or did not go to school 2 = Primary school 3 = Some secondary school 4 = Secondary school 5 = Some vocational education after secondary school 6 = Some university 7 = University 8 = Master's degree or higher 9 = I do not know
HUNGARY	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Some grades of primary school or did not go to school 2 = Primary school, 1st stage 3 = Primary school, 2nd stage 4 = Secondary school 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = College 8 = University 9 = I do not know

INDIANA, US	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not complete elementary school or did not go to school 2 = Elementary school 3 = Some high school 4 = High school 5 = Vocational/technical certificate after high school 6 = Associate's degree in a vocational/technical program 7 = 2-year or 4-year college or university degree (i.e., Associate's or Bachelor's degree) 8 = Master's degree, teaching certificate program, or professional degree (e.g., law, medicine, dentistry) / Doctorate (PhD or EdD) 9 = I do not know
INDONESIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Junior secondary school (lower secondary school) 4 = Senior secondary high school (upper secondary school) 5 = One year or two year degree program from a college or university 6 = Three or four year degree program from college or university 7 = First degree from a university (Bachelor's degree) 8 = Second degree or higher from a university (post graduate degree) 9 = I do not know
IRAN, ISLAMIC REP.	SQ2-06A-B	D	Nationally defined options: 1 = Some primary school or did not go to school 2 = Primary school 3 = Junior school 4 = Diploma (high school) 5 = Upper diploma - 2 years after diploma (college) 6 = Vocational course 7 = First degree (Bachelor's) 8 = Higher post graduate degree (Master's) 9 = I do not know
ISRAEL	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish elementary school or did not go to school 2 = Primary school 3 = 8-year school or lower secondary 4 = Secondary - general or vocational 5 = Post secondary vocational school 6 = Academic vocational studies 7 = Academic first degree (Bachelor's degree) 8 = Academic advanced degree (Master's degree) 9 = I do not know
ITALY	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Some years of primary school or did not go to school 2 = Primary school leaving certificate 3 = Lower secondary school leaving certificate 4 = Upper secondary school diploma or certificate awarded for passing final examination of upper secondary school 5 = Option not administered or data not available 6 = Vocational or technical program of higher education level 7 = Bachelor's degree 8 = Second or further degree (Master's, PhD) 9 = I do not know
JAPAN	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Lower secondary school 4 = Upper secondary school 5 = Junior college (2 years) 6 = Option not administered or data not available 7 = University 8 = Graduate school 9 = I do not know

JORDAN	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish first stage of basic education (grade 1 to grade 4) 2 = First stage of basic education 3 = Second stage of basic education (grade 5 to grade 10) 4 = Secondary stage 5 = Community college (2-year program) 6 = Community college (3-year program) 7 = First university degree 8 = Beyond first university degree 9 = I do not know
KOREA, REP. OF	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish elementary school or did not go to school 2 = Elementary school 3 = Middle school 4 = High school 5 = Job or technical training after graduating high school 6 = Junior college 7 = University (Bachelor's) 8 = Graduate school (Master's or PhD) 9 = I do not know
LATVIA	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary or did not go to school 2 = Primary school 3 = Elementary school / Vocational or technical school 4 = Secondary or vocational school / Uncompleted higher education (university) 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Higher education (Bachelor's or Master's degree) 8 = PhD 9 = I do not know
LEBANON	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not go to school 2 = Some primary or middle school 3 = Some of the secondary level 4 = Secondary level 5 = Part of a professional or technical training program 6 = Two university years (first cycle) 7 = Four university years (second cycle) or more 8 = Option not administered or data not available 9 = I do not know
LITHUANIA	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary school or did not go to school 2 = Primary school (4 years) 3 = Basic school (compulsory education) 4 = Secondary school (11 years) / Secondary plus some vocational/special secondary 5 = College level - 3 to 4 years post secondary technical 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = University 9 = I do not know
MACEDONIA, REP.	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Four years of primary school 3 = Primary school 4 = Secondary school 5 = Post secondary school 6 = Two years of university 7 = University 8 = Higher than university 9 = I do not know

MALAYSIA	SQ2-06A-B	D	Nationally defined options: 1 = Did not finished primary school or did not go to school 2 = Primary education 3 = Lower secondary education 4 = Upper secondary education 5 = Secondary education with certificate 6 = Education with diploma 7 = First degree 8 = Higher than first degree 9 = I do not know
MOLDOVA, REP. OF	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Secondary school 4 = Upper secondary school / Incomplete tertiary education 5 = Post secondary, college 6 = Option not administered or data not available 7 = Tertiary education (diploma with license) 8 = Tertiary education (MA or PhD) 9 = I do not know
MOROCCO	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not go to school or did not finish primary school 2 = Primary school (grade 6) 3 = Intermediate (grade 9) 4 = Secondary (grade 12) 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = First university degree (Bachelor's) 8 = Post graduate diploma (2 years after first university degree) / Master's or PhD 9 = I do not know
NETHERLANDS	SQ2S-06A-B	D	Nationally defined options: 1 = A few years of primary education or did not go to school 2 = Primary school 3 = Option not administered or data not available 4 = Secondary general education (different tracks) or secondary vocational education 5 = Option not administered or data not available 6 = Higher vocational education 7 = Option not administered or data not available 8 = University (Master's degree or PhD) 9 = I do not know
NEW ZEALAND	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Left school before end of year 6 (standard 4) or did not go to school 2 = Year 6 (standard 4) 3 = Year 10 (form 4) 4 = Year 11 (form 5) and left with school certificate / Year 12 (form 6) or year 13 (form 7) and left school with at least sixth form certificate 5 = Trade certificate or national certificate course at polytech 6 = Vocational diploma (e.g., occupational therapy, nursing, primary teaching, radiography, dental nursing) 7 = Bachelor's degree 8 = Bachelor's honour's degree, post graduate diploma, Master's degree or PhD 9 = I do not know
NORWAY	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not complete primary school 2 = Primary school 3 = Lower secondary school 4 = Upper secondary school 5 = Option not administered or data not available 6 = Short study at college (1-2 years) 7 = University or college (at least 3 years) 8 = University or college (at least 5 years) 9 = I do not know

ONTARIO, CANADA	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Some secondary 4 = Secondary school 5 = Some post secondary education 6 = Vocational/technical program or college degree 7 = BA or equivalent 8 = MA or PhD 9 = I don't know
PALESTINIAN AUTH.	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish basic first school stage (1-4) or did not go to school 2 = Basic first school stage (1-4) 3 = Basic second school stage (5-10) 4 = General secondary stage certificate 5 = Community college for 2 years 6 = Community college for 3 years 7 = First university degree (Bachelor's degree) 8 = Master's or higher 9 = I do not know
PHILIPPINES	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary education or did not go to school 2 = Primary education (elementary) 3 = Lower secondary education (1st and 2nd years high school) 4 = Higher secondary education (3rd and 4th years high school) 5 = Vocational/technical program (1-2 year program) 6 = Vocational/technical program (3-4 year program) 7 = Academic Bachelor's degree 8 = MA, PhD 9 = I do not know
QUEBEC, CANADA	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Some secondary 4 = Secondary school 5 = Some post secondary education 6 = Vocational/technical program or college degree 7 = BA or equivalent 8 = MA or PhD 9 = I don't know
ROMANIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school 3 = Lower secondary school 4 = Upper secondary school 5 = Post secondary school 6 = College 7 = University first degree 8 = Beyond university first degree (Master's degree or Ph.D) 9 = I do not know
RUSSIAN FED.	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not complete primary education or did not go to school 2 = Primary education 3 = Elementary education (9 years) 4 = Secondary general education (11 years) / Initial vocational education (e.g technical school) 5 = Secondary professional education (e.g college) 6 = Option not administered or data not available 7 = Higher education (university) 8 = Master's or Doctorate 9 = I do not know

SAUDI ARABIA	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish elementary or did not go to school 2 = Elementary school / Did not complete secondary school or vocational equivalent 3 = Vocational training certificate / Intermediate school 4 = Secondary school or equivalent 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = University Bachelor's degree or equivalent 8 = Beyond university degree (graduate studies) 9 = I do not know
SCOTLAND	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = No qualifications 4 = Standard Grade, 0 Grade, GCSE, GSVQ Foundation or Intermediate level or SVQ (Scotvec) Level 1 or 2 / Higher Grade or GSVQ Advanced or SVQ (Scotvec) Level 3 5 = Access course to college or university 6 = HNC, HND or equivalent 7 = University degree 8 = Post graduate degree 9 = I do not know
SERBIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not complete four grades in elementary school or did not go to school 2 = Four grades of elementary school 3 = Eight grades of elementary school 4 = High school 5 = Vocational secondary school 6 = Higher school (2-year post secondary education) 7 = University 8 = Master's, Doctorate or a specialization 9 = I do not know
SINGAPORE	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary education or did not go to school 2 = Primary education 3 = Secondary education 4 = JC, Pre-U, Polytechnic, ITE, VITB education 5 = Non-graduate teacher education 6 = University education (vocational/technical) 7 = University education (academic/professional) 8 = Beyond university education (Master's, PhD) 9 = I do not know
SLOVAK REP.	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Did not finish primary education or did not go to school 2 = First stage of elementary school (grades 1-4) 3 = Lower secondary education 4 = Technical education without final exam / Secondary school or medium trade school finished with graduation 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Post secondary education (lower tertiary education) or Bachelor's degree 8 = University study, Master's degree / Post university study, PhD 9 = I do not know
SLOVENIA	SQ2S-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Primary school (4 years) 3 = Elementary school 4 = Secondary school 5 = Vocational courses after secondary education 6 = Higher professional studies (2 years university) 7 = Four years university studies 8 = Master's degree or PhD 9 = I do not know

SOUTH AFRICA	SQ2-06A-B	D	Nationally defined options: 1 = Did not finish primary school or did not go to school 2 = Grade 7 (Standard 5) 3 = Grade 9 (Standard 7) 4 = Grade 12 (Matric) 5 = Post Matric certificate 6 = Diploma or certificate 7 = First degree 8 = Honour's degree or higher 9 = I do not know
SWEDEN	SQ2S-06A-B	D	National options recoded to fit international categories: 1 = Lacks education or has only had a couple of years of schooling 2 = 6 years in compulsory school 3 = 9 years in compulsory school 4 = Upper secondary school 5 = Vocational supplementary education, other than university education 6 = Option not administered or data not available 7 = Degree from undergraduate university education 8 = Studies beyond undergraduate university education 9 = I do not know
SYRIAN ARAB REP.	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not finish elementary or did not go to school 2 = Elementary school 3 = Middle school (vocational) / Middle school (academic) / Some years of secondary school but not finished, or equivalent 4 = Secondary school or equivalent 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = University or equivalent 8 = Post university 9 = I do not know
TUNISIA	SQ2-06A-B	D	Nationally defined options: 1 = Did not complete primary education or did not go to school 2 = Primary education 3 = Preparatory cycle 4 = Baccalaureate 5 = Baccalaureate plus 2 years of vocational training 6 = Baccalaureate plus 2 years of university studies 7 = Baccalaureate plus 4 years of university studies 8 = Doctorate (PhD) 9 = I do not know
UNITED STATES	SQ2-06A-B	D	National options recoded to fit international categories: 1 = Did not complete elementary school or did not go to school 2 = Elementary school 3 = Some high school 4 = High school 5 = Vocational/technical certificate after high school 6 = Associate's degree in a vocational/technical program 7 = 2-year or 4-year college or university degree (i.e., Associate's or Bachelor's degree) 8 = Master's degree, teaching certificate program, or professional degree (e.g., law, medicine, dentistry) / Doctorate (PhD or EdD) 9 = I do not know

SQ2-07 / SQ2S-07**Question:**

How far in school do you expect to go?

1 = Finish <ISCED 3>

2 = Finish <ISCED 4B>

3 = Finish <ISCED 5B>

4 = Finish <ISCED 5A, first degree>

5 = Beyond <ISCED 5A, first degree>

6 = I don't know

Variable Name(s): BSBGHFSG

Country	Item ID	Code	Documentation
ARMENIA	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary general education (10 years) 2 = Professional college (preliminary professional education) 3 = Option not administered or data not available 4 = University (higher education) 5 = Option not administered or data not available 6 = I do not know
AUSTRALIA	SQ2-07	D	National options recoded to fit international categories: 1 = Secondary school or apprenticeship 2 = Option not administered or data not available 3 = TAFE or College diploma or certificate 4 = Bachelor's degree (i.e. BA, BSc) 5 = Beyond Bachelor's degree (i.e. Master's, PhD) 6 = I don't know
BAHRAIN	SQ2-07	D	National options recoded to fit international categories: 1 = General or technical secondary education certificate 2 = Vocational or technical courses of the secondary education (two years or less) 3 = Option not administered or data not available 4 = Bachelor's degree 5 = Beyond Bachelor's degree 6 = I do not know
BASQUE CTY, SPAIN	SQ2-07	D	National options recoded to fit international categories: 1 = Bachelor's degree, college, upper secondary or professional education 1st level 2 = Professional education 2nd level 3 = Option not administered or data not available 4 = University 1st level (3 years) / University 2nd level (5 years) 5 = University 3rd level (PhD) 6 = I do not know
BELGIUM (FLEMISH)	SQ2S-07	D	National options recoded to fit international categories: 1 = Higher secondary education 2 = Option not administered or data not available 3 = Tertiary education (not university) 4 = University 5 = PhD 6 = I do not know
BOTSWANA	SQ2-07	D	Nationally defined options: 1 = Senior secondary 2 = Technical/vocational training 3 = Diploma 4 = First degree 5 = Master's degree or higher 6 = I don't know
BULGARIA	SQ2S-07	D	Nationally defined options: 1 = Secondary education 2 = Secondary profile education 3 = Other vocational education 4 = Higher education - Bachelor's degree 5 = Higher education - Master's, PhD 6 = I do not know

CHILE	SQ2-07	D	Nationally defined options: 1 = Secondary education 2 = Technical training center 3 = Professional institute 4 = University 5 = Master's or PhD 6 = I do not know
CHINESE TAIPEI	SQ2-07	D	Nationally defined options: 1 = Senior high school, vocational school 2 = Vocational high school 3 = College/junior college of technology 4 = Bachelor's degree 5 = Master's or PhD 6 = I do not know
CYPRUS	SQ2S-07	D	Nationally defined options: 1 = Lyceum (K-12) 2 = Two-year college 3 = Polytechnic 4 = University 5 = Post graduate education 6 = I do not know
EGYPT	SQ2-07	D	National options recoded to fit international categories: 1 = Secondary school 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = University 5 = Post university 6 = I do not know
ENGLAND	SQ2-07	D	National options recoded to fit international categories: 1 = GSCE Level / A Level 2 = Access course for higher education 3 = HNC or HND 4 = Bachelor's degree 5 = Master's degree or higher 6 = I do not know
ESTONIA	SQ2S-07	D	Nationally defined options: 1 = Secondary education 2 = Post secondary vocational education 3 = 3-4 years in university without academic degree 4 = Higher education, 5 years or 200 credit points in university 5 = Academic degree 6 = I do not know
GHANA	SQ2-07	D	Nationally defined options: 1 = Senior secondary school, technical/vocational school 2 = Teacher training college, SRN, City and Guilds, DBS (diploma in business studies and secretariat) 3 = HND, technological certificate, full technological certificate 4 = Bachelor's degree 5 = Beyond Bachelor's degree (Master's or PhD) 6 = I do not know
HONG KONG	SQ2-07	D	Nationally defined options: 1 = Secondary school 2 = Some vocational education after secondary school 3 = Certificate, diploma or Associate's degree after secondary school 4 = University 5 = Master's degree or higher 6 = I do not know
HUNGARY	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary school 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = College 5 = University 6 = I do not know

INDIANA, US	SQ2-07	D	Nationally defined options: 1 = High school 2 = Vocational/technical certificate after high school 3 = Community or junior college degree 4 = Bachelor's degree at a college or university 5 = Beyond Bachelor's degree 6 = I do not know
INDONESIA	SQ2S-07	D	Nationally defined options: 1 = Senior secondary high school (upper secondary school) 2 = One or two year degree program from college or university 3 = Three or four year degree program from a college or university 4 = First degree from a university (Bachelor's degree) 5 = Second degree or higher from a university (post graduate degree) 6 = I do not know
IRAN, ISLAMIC REP.	SQ2-07	D	Nationally defined options: 1 = Diploma (high school) 2 = Upper diploma - 2 years after diploma 3 = Vocational course 4 = First degree (Bachelor's) 5 = Higher post graduate degree (Master's) 6 = I do not know
ISRAEL	SQ2-07	D	Nationally defined options: 1 = Secondary - general or vocational 2 = Post secondary vocational school 3 = Academic vocational studies 4 = Academic first degree (Bachelor's degree) 5 = Academic advanced degree (Master's degree) 6 = I do not know
ITALY	SQ2-07	D	National options recoded to fit international categories: 1 = Upper secondary school diploma or certificate awarded for passing final examination of upper secondary school 2 = Option not administered or data not available 3 = Vocational or technical program of higher education level 4 = Bachelor's degree 5 = Second or further degree (Master's, PhD) 6 = I do not know
JAPAN	SQ2-07	D	National options recoded to fit international categories: 1 = Upper secondary school 2 = Junior college (2 years) 3 = Option not administered or data not available 4 = University 5 = Graduate school 6 = I do not know
JORDAN	SQ2-07	D	Nationally defined options: 1 = Secondary stage 2 = Community college (2-year program) 3 = Community college (3-year program) 4 = First university degree 5 = Beyond first university degree 6 = I do not know
KOREA, REP. OF	SQ2-07	D	Nationally defined options: 1 = High school 2 = Job or technical training after graduating high school 3 = Junior college 4 = University (Bachelor's) 5 = Graduate school (Master's or PhD) 6 = I do not know
LATVIA	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary or vocational school / Uncompleted higher education (university) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Higher education (Bachelor's or Master's degree) 5 = PhD 6 = I do not know

LEBANON	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary level 2 = Professional or technical training program after the secondary level 3 = Option not administered or data not available 4 = University studies 5 = Option not administered or data not available 6 = I do not know
LITHUANIA	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary school (12 years) / Secondary plus some vocational 2 = Higher education (non-university 3-4 years post secondary) 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = University 6 = I do not know
MACEDONIA, REP.	SQ2S-07	D	Nationally defined options: 1 = Secondary school 2 = Post secondary school 3 = Two years of university 4 = University 5 = Higher than university 6 = I do not know
MALAYSIA	SQ2-07	D	Nationally defined options: 1 = Upper secondary education 2 = Secondary education with certificate 3 = Education with diploma 4 = First degree 5 = Higher than first degree 6 = I do not know
MOLDOVA, REP. OF	SQ2S-07	D	National options recoded to fit international categories: 1 = Upper secondary school / Incomplete tertiary education 2 = College 3 = Option not administered or data not available 4 = Tertiary education (diploma with license) 5 = Tertiary education (MA or PhD) 6 = I do not know
MOROCCO	SQ2-07	D	National options recoded to fit international categories: 1 = Secondary (grade 12) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = First university degree (Bachelor's) 5 = Post graduate diploma (2 years after first university degree) / Master's or PhD 6 = I do not know
NETHERLANDS	SQ2S-07	D	Nationally defined options: 1 = Secondary general education (different tracks) or secondary vocational education 2 = Option not administered or data not available 3 = Higher vocational education 4 = Option not administered or data not available 5 = University (Master's degree or PhD) 6 = I do not know
NEW ZEALAND	SQ2-07	D	National options recoded to fit international categories: 1 = Level 1 of NCEA / Level 2 of NCEA 2 = Trade certificate or national certificate course at polytech 3 = National diploma course at a tertiary education institution (e.g. science, business studies, accounting) 4 = Bachelor's degree 5 = Bachelor's honour's degree, post graduate diploma, Master's degree or PhD 6 = I do not know
NORWAY	SQ2-07	D	National options recoded to fit international categories: 1 = Upper secondary school 2 = Option not administered or data not available 3 = Short study at college (1-2 years) 4 = University or college (at least 3 years) 5 = University or college (at least 5 years) 6 = I do not know

ONTARIO, CANADA	SQ2-07	D	Nationally defined options: 1 = Secondary school 2 = Some post secondary education 3 = Vocational/technical program or college degree 4 = BA or equivalent 5 = MA or PhD 6 = I don't know
PALESTINIAN AUTH.	SQ2-07	D	Nationally defined options: 1 = General secondary stage certificate 2 = Community college for 2 years 3 = Community college for 3 years 4 = First university degree (Bachelor's degree) 5 = Master's or higher 6 = I do not know
PHILIPPINES	SQ2-07	D	Nationally defined options: 1 = Higher secondary education (3rd and 4th years high school) 2 = Vocational/technical program (1-2 year program) 3 = Vocational/technical program (3-4 year program) 4 = Academic Bachelor's degree 5 = MA, PhD 6 = I do not know
QUEBEC, CANADA	SQ2-07	D	Nationally defined options: 1 = Secondary school 2 = Some post secondary education 3 = Vocational/technical program or college degree 4 = BA or equivalent 5 = MA or PhD 6 = I don't know
ROMANIA	SQ2S-07	D	Nationally defined options: 1 = Upper secondary school 2 = Post secondary school 3 = College 4 = University first degree 5 = Beyond university first degree (Master's degree or Ph.D) 6 = I do not know
RUSSIAN FED.	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary general education / Initial vocational education 2 = Secondary professional education 3 = Option not administered or data not available 4 = Higher education (university) 5 = Master's or Doctorate 6 = I do not know
SAUDI ARABIA	SQ2-07	D	National options recoded to fit international categories: 1 = Secondary school certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = University Bachelor's degree 5 = Beyond university degree (graduate studies) 6 = I do not know
SCOTLAND	SQ2-07	D	National options recoded to fit international categories: 1 = Standard Grade / Higher Grade 2 = Access course to college or university 3 = HNC or HND 4 = University degree 5 = Post graduate degree 6 = I do not know
SERBIA	SQ2S-07	D	Nationally defined options: 1 = High school 2 = Vocational secondary school 3 = Higher school (2-year post secondary education) 4 = University 5 = Master's, Doctorate or a specialization 6 = I do not know

SINGAPORE	SQ2-07	D	Nationally defined options: 1 = JC, Pre-U, Polytechnic, ITE, VITB education 2 = Non-graduate teacher education 3 = University education (vocational/technical) 4 = University education (academic/professional) 5 = Beyond university education (Master's, PhD) 6 = I do not know
SLOVAK REP.	SQ2S-07	D	National options recoded to fit international categories: 1 = Secondary school with final exam 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Post secondary qualification study or Bachelor's degree 5 = University study, Master's degree or higher 6 = I do not know
SLOVENIA	SQ2S-07	D	Nationally defined options: 1 = Secondary school 2 = Vocational courses after secondary education 3 = Higher professional studies (2 years university) 4 = Four years university studies 5 = Master's degree or PhD 6 = I do not know
SOUTH AFRICA	SQ2-07	D	Nationally defined options: 1 = Grade 12 (Matric) 2 = Post Matric certificate 3 = Diploma or Certificate 4 = First degree 5 = Honour's degree or higher 6 = I do not know
SWEDEN	SQ2S-07	D	National options recoded to fit international categories: 1 = Upper secondary school 2 = Vocational supplementary education, other than university education 3 = Option not administered or data not available 4 = Degree from undergraduate university education 5 = Studies beyond undergraduate university education 6 = I do not know
SYRIAN ARAB REP.	SQ2-07	D	National options recoded to fit international categories: 1 = Secondary school 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = University 5 = Post university 6 = I do not know
TUNISIA	SQ2-07	D	Nationally defined options: 1 = Baccalaureate 2 = Baccalaureate plus 2 years of vocational training 3 = Baccalaureate plus 2 years of university studies 4 = Baccalaureate plus 4 years university studies 5 = Doctorate (PhD) 6 = I do not know
UNITED STATES	SQ2-07	D	Nationally defined options: 1 = High school 2 = Vocational/technical certificate after high school 3 = Community or junior college degree 4 = Bachelor's degree at a college or university 5 = Beyond Bachelor's degree 6 = I do not know

SQ2-09A-E / SQ2S-09A-E**Question:**

How much do you agree with these statements about mathematics?

A: I think learning mathematics will help me in my daily life

B: I need mathematics to learn other school subjects

C: I need to do well in mathematics to get into the <university> of my choice

D: I would like a job that involved using mathematics

E: I need to do well in mathematics to get the job I want

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

Variable Name(s): BSBMAHDL, BSBMAOSS, BSBMAUNI, BSBMAJOB, BSBMAGET

Country	Item ID	Code	Documentation
ITALY	SQ2-09C	D	I need to do well in mathematics to get into the secondary high school of my choice
SINGAPORE	SQ2-09C	D	I need to do well in mathematics to get into the junior college or polytechnic of my choice

SQ2-10A-N / SQ2S-10A-N**Question:**

How often do you these things in your mathematics lessons?

A: We practice adding, subtracting, multiplying, and dividing without using a calculator

B: We work on fractions and decimals

C: We interpret data in tables, charts, or graphs

D: We write equations and functions to represent relationships

E: We work together in small groups

F: We relate what we are learning in mathematics to our daily life

G: We explain our answers

H: We decide on our own procedures for solving complex problems

I: We review our homework

J: We listen to the teacher give a lecture-style presentation

K: We work problems on our own

L: We begin our homework in class

M: We have a quiz or test

N: We use calculators

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

Variable Name(s): BSBMHASM, BSBMHWF, BSBMHGCT, BSBMHEFR, BSBMHWG, BSBMHMDL, BSBMHXP, BSBMHSCP, BSBMHROH, BSBMHLSP, BSBMHWPO, BSBMHBHC, BSBMHHQT, BSBMHCAL

Country	Item ID	Code	Documentation
EGYPT	SQ2-10L	X	Option not administered or data not available
SOUTH AFRICA	SQ2-10J	D	We listen to the teacher give a lecture-style lesson
SYRIAN ARAB REP.	SQ2-10L	X	Option not administered or data not available

SQ2-12A-E / --**Question:**

- How much do you agree with these statements about science?
- A: I think learning science will help me in my daily life
B: I need science to learn other school subjects
C: I need to do well in science to get into the <university> of my choice
D: I would like a job that involved using science
E: I need to do well in science to get the job I want
- 1 = Agree a lot
2 = Agree a little
3 = Disagree a little
4 = Disagree a lot

(Corresponding questions about the separate sciences included in SQ2S-13A-E, 17A-E, 21A-E, 25A-E)

Variable Name(s): BSBSAHDL, BSBSAOSS, BSBSAUNI, BSBSAJOB, BSBSAGET

Country	Item ID	Code	Documentation
ITALY	SQ2-12C	D	I need to do well in science to get into the secondary high school of my choice
SINGAPORE	SQ2-12C	D	I need to do well in science to get into the junior college or polytechnic of my choice

SQ2-13A-N / --**Question:**

- How often do you do these things in your science lessons?
- A: We watch the teacher demonstrate an experiment or investigation
B: We formulate hypotheses or predictions to be tested
C: We design or plan an experiment or investigation
D: We conduct an experiment or investigation
E: We work in small groups on an experiment or investigation
F: We write explanations about what was observed and why it happened
G: We study the impact of technology on society
H: We relate what we are learning in science to our daily lives
I: We present our work to the class
J: We review our homework
K: We listen to the teacher give a lecture-style presentation
L: We work problems on our own
M: We begin our homework in class
N: We have a quiz or test
- 1 = Every or almost every lesson
2 = About half the lessons
3 = Some lessons
4 = Never

(Corresponding questions about the separate sciences included in SQ2S-14A-N, 18A-N, 22A-N, 26A-N)

Variable Name(s): BSBSHDEI, BSBSHFHP, BSBSHPEI, BSBSHCEI, BSBSHWGO, BSBSHEOH, BSBSHITS, BSBSHMDL, BSBSHPWC, BSBSHROH, BSBSHLSP, BSBSHWPO, BSBSHBHC, BSBSHHQT

Country	Item ID	Code	Documentation
EGYPT	SQ2-13K	X	Option not administered or data not available
SYRIAN ARAB REP.	SQ2-13K	X	Option not administered or data not available

SQ2-16A-E / SQ2S-29A-E**Question:**

In school, did any of these things happen during the last month?

A: Something of mine was stolen

B: I was hit or hurt by other student(s) (for example, shoving, hitting, kicking)

C: I was made to do things I didn't want to do by other students

D: I was made fun of or called names

E: I was left out of activities by other students

1 = Yes

2 = No

Variable Name(s): BSBGSTOL, BSBGHURT, BSBGMADE, BSBGMFUN, BSBGLEFT

Country	Item ID	Code	Documentation
INDIANA, US	SQ2-16A-E	X	Question not administered or data not available
UNITED STATES	SQ2-16A-E	X	Question not administered or data not available

SQ2-17A-I / SQ2S-30A-I**Question:**

On a normal day, how much time do you spend before or after school doing each of these things?

A: I watch television and videos

B: I play computer games

C: I play or talk with friends

D: I do jobs at home

E: I work at a paid job

F: I play sports

G: I read a book for enjoyment

H: I use the internet

I: I do homework

1 = No time

2 = Less than 1 hour

3 = 1-2 hours

4 = More than 2 but less than 4 hours

5 = 4 or more hours

Variable Name(s): BSBGWATV, BSBGPLCG, BSBGPLFD, BSBGJOHM, BSBGWKPJ, BSBGPLSP, BSBGREBO, BSBGUSIN, BSBGDOHW

Country	Item ID	Code	Documentation
SINGAPORE	SQ2-17E	D	I work part-time

SQ2-21 / SQ2S-33**Question:**

Including yourself, how many people live in your home?

2 = 2

3 = 3

4 = 4

5 = 5

6 = 6

7 = 7

8 = 8 or more

Variable Name(s): BSBGPLHO

Country	Item ID	Code	Documentation
GHANA	SQ2-21	D	National options recoded to fit international categories: 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = 7 8 = 8 / 9 or more
TUNISIA	SQ2-21	D	National options recoded to fit international categories: 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = 7 8 = 8 / 9 or more

SQ2-22A-B / SQ2S-34A-B**Question:**

A: Was your mother (or stepmother or female guardian) born in <country>?

B: Was your father (or stepfather or male guardian) born in <country>?

1 = Yes

2 = No

Variable Name(s): BSBGMBRN, BSBGFBRN

Country	Item ID	Code	Documentation
AUSTRALIA	SQ2-22A	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
AUSTRALIA	SQ2-22B	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
NEW ZEALAND	SQ2-22A	D	Stem of the question changed: In what country were you and your parents (or stepparents or guardians) born? a) Mother (or stepmother or female guardian) Nationally defined options: 1 = New Zealand 2 = Another country
NEW ZEALAND	SQ2-22B	D	Stem of the question changed: In what country were you and your parents (or stepparents or guardians) born? b) Father (or stepfather or male guardian) Nationally defined options: 1 = New Zealand 2 = Another country

SQ2-23A-B / SQ2S-35A-B**Question:**

A: Were you born in <country>?

1 = Yes

2 = No

B: If you were not born in <country>, how old were you when you came to <country>?

1 = Older than 10 years old

2 = 5 to 10 years old

3 = Younger than 5 years old

Variable Name(s): BSBGBORN, BSBGBRNC

Country	Item ID	Code	Documentation
ARMENIA	SQ2S-35B	X	Question not administered or data not available
AUSTRALIA	SQ2-23A	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
EGYPT	SQ2-23B	D	National options recoded to fit international categories: 1 = Older than 10 years / 11 years old 2 = 5 to 10 years old 3 = Younger than 5 years Old
INDIANA, US	SQ2-23B	D	National options recoded to fit international categories: 1 = Older than 10 years old 2 = 5 to 10 years old 3 = Younger than 5 year old
NEW ZEALAND	SQ2-23A	D	Asked in national question 22c: In what country were you and your parents (or stepparents or guardians) born? c) You Nationally defined options: 1 = New Zealand 2 = Another country
PHILIPPINES	SQ2-23B	D	National options recoded to fit international categories: 1 = Older than 10 years old 2 = 5 to 10 years old 3 = Younger than 5 years old
SYRIAN ARAB REP.	SQ2-23B	D	National options recoded to fit international categories: 1 = Older than 10 years old / 11 years old 2 = 5 to 10 years old 3 = Younger than 5 years old
UNITED STATES	SQ2-23B	D	National options recoded to fit international categories: 1 = Older than 10 years old 2 = 5 to 10 years old 3 = Younger than 5 year old

-- / SQ2S-11**Question:**

Are you studying biology in school this year?

1 = Yes

2 = No

Variable Name(s): BSBBSBIO

Country	Item ID	Code	Documentation
LATVIA	SQ2S-11	D	Gang punch 100% to "Yes"
LEBANON	SQ2S-11	D	Stem of the question changed: Are you studying life and earth science in school this year?

-- / SQ2S-12A-G**Question:**

How much do you agree with these statements about learning biology?

A: I usually do well in biology

B: I would like to take more biology in school

C: Biology is more difficult for me than for many of my classmates

D: I enjoy learning biology

E: Sometimes, when I do not initially understand a new topic in biology, I know that I will never really understand it

F: Biology is not one of my strengths

G: I learn things quickly in biology

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-11A-G)

Variable Name(s): BSBBTWEL, BSBBTMOR, BSBBTCLM, BSBBTENJ, BSBBTTOP, BSBBTSTR, BSBBTQKY

Country	Item ID	Code	Documentation
LEBANON	SQ2S-12A-G	D	Stem of the question changed: How much do you agree with these statements about learning life and earth science? Biology replaced with life and earth science for all the options.

-- / SQ2S-13A-E**Question:**

- How much do you agree with these statements about biology?
- A: I think learning biology will help me in my daily life
 - B: I need biology to learn other school subjects
 - C: I need to do well in biology to get into the <university> of my choice
 - D: I would like a job that involved using biology
 - E: I need to do well in biology to get the job I want
- 1 = Agree a lot
 - 2 = Agree a little
 - 3 = Disagree a little
 - 4 = Disagree a lot

(Corresponding question about the general science included in SQ2-12A-E)

Variable Name(s): BSBBAHDL, BSBBAOSS, BSBBAUNI, BSBBAJOB, BSBBAGET

Country	Item ID	Code	Documentation
LEBANON	SQ2S-13A-E	D	Stem of the question changed: How much do you agree with these statements about life and earth science? Biology replaced with life and earth science for all the options.

-- / SQ2S-14A-N**Question:**

- How often do you do these things in your biology lessons?
- A: We watch the teacher demonstrate an experiment or investigation
 - B: We formulate hypotheses or predictions to be tested
 - C: We design or plan an experiment or investigation
 - D: We conduct an experiment or investigation
 - E: We work in small groups on an experiment or investigation
 - F: We write explanations about what was observed and why it happened
 - G: We study the impact of technology on society
 - H: We relate what we are learning in biology to our daily lives
 - I: We present our work to the class
 - J: We review our homework
 - K: We listen to the teacher give a lecture-style presentation
 - L: We work problems on our own
 - M: We begin our homework in class
 - N: We have a quiz or test
- 1 = Every or almost every lesson
 - 2 = About half the lessons
 - 3 = Some lessons
 - 4 = Never

(Corresponding question about the general science included in SQ2-13A-N)

Variable Name(s): BSBBHDEI, BSBBFHP, BSBBHPEI, BSBBHCEI, BSBBHWGO, BSBBH EOH, BSBBHITS, BSBBHMDL, BSBBHPWC, BSBBHROH, BSBBHLSP, BSBBHWPO, BSBBH BHC, BSBBHHQT

Country	Item ID	Code	Documentation
LEBANON	SQ2S-14A-N	D	Stem of the question changed: How often do you do these things in your life and earth science lessons? Biology replaced with life and earth science for all the options.

-- / SQ2S-15**Question:**

Are you studying earth science in school this year?

1 = Yes

2 = No

Variable Name(s): BSBEARTH

Country	Item ID	Code	Documentation
INDONESIA	SQ2S-15	X	Question not administered or data not available
LATVIA	SQ2S-15	X	Question not administered or data not available
LEBANON	SQ2S-15	X	Question not administered or data not available
SLOVENIA	SQ2S-15	X	Question not administered or data not available

-- / SQ2S-16A-G**Question:**

How much do you agree with these statements about learning earth science?

A: I usually do well in earth science

B: I would like to take more earth science in school

C: Earth science is more difficult for me than for many of my classmates

D: I enjoy learning earth science

E: Sometimes, when I do not initially understand a new topic in earth science, I know that I will never really understand it

F: Earth science is not one of my strengths

G: I learn things quickly in earth science

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-11A-G)

Variable Name(s): BSBETWEL, BSBETMOR, BSBETCLM, BSBETENJ, BSBETTOP, BSBETSTR, BSBETQKY

Country	Item ID	Code	Documentation
INDONESIA	SQ2S-16A-G	X	Question not administered or data not available
LATVIA	SQ2S-16A-G	X	Question not administered or data not available
LEBANON	SQ2S-16A-G	X	Question not administered or data not available
SLOVENIA	SQ2S-16A-G	X	Question not administered or data not available

-- / SQ2S-17A-E**Question:**

How much do you agree with these statements about earth science?

A: I think learning earth science will help me in my daily life

B: I need earth science to learn other school subjects

C: I need to do well in earth science to get into the <university> of my choice

D: I would like a job that involved using earth science

E: I need to do well in earth science to get the job I want

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-12A-E)

Variable Name(s): BSBEAHDL, BSBEAOSS, BSBEAUNI, BSBEAJOB, BSBEAGET

Country	Item ID	Code	Documentation
INDONESIA	SQ2S-17A-E	X	Question not administered or data not available
LATVIA	SQ2S-17A-E	X	Question not administered or data not available
LEBANON	SQ2S-17A-E	X	Question not administered or data not available
SLOVENIA	SQ2S-17A-E	X	Question not administered or data not available

-- / SQ2S-18A-N**Question:**

How often do you do these things in your earth science lessons?

A: We watch the teacher demonstrate an experiment or investigation

B: We formulate hypotheses or predictions to be tested

C: We design or plan an experiment or investigation

D: We conduct an experiment or investigation

E: We work in small groups on an experiment or investigation

F: We write explanations about what was observed and why it happened

G: We study the impact of technology on society

H: We relate what we are learning in earth science to our daily lives

I: We present our work to the class

J: We review our homework

K: We listen to the teacher give a lecture-style presentation

L: We work problems on our own

M: We begin our homework in class

N: We have a quiz or test

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

(Corresponding question about the general science included in SQ2-13A-N)

Variable Name(s): BSBEHDEI, BSBEHFHP, BSBEHPEI, BSBEHCEI, BSBEHWGO, BSBEHEOH, BSBEHITS, BSBEHMDL, BSBEHPWC, BSBEHROH, BSBEHLSP, BSBEHWPO, BSBEHBHC, BSBEHHQT

Country	Item ID	Code	Documentation
INDONESIA	SQ2S-18A-N	X	Question not administered or data not available
LATVIA	SQ2S-18A-N	X	Question not administered or data not available
LEBANON	SQ2S-18A-N	X	Question not administered or data not available
SLOVENIA	SQ2S-18A-N	X	Question not administered or data not available

-- / SQ2S-19**Question:**

Are you studying chemistry in school this year?

1 = Yes

2 = No

Variable Name(s): BSBCCHEM

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-19	X	Question not administered or data not available
INDONESIA	SQ2S-19	X	Question not administered or data not available
LATVIA	SQ2S-19	D	Gang punch 100% to "Yes"
NETHERLANDS	SQ2S-19	X	Question not administered or data not available

-- / SQ2S-20A-G**Question:**

How much do you agree with these statements about learning chemistry?

A: I usually do well in chemistry

B: I would like to take more chemistry in school

C: Chemistry is more difficult for me than for many of my classmates

D: I enjoy learning chemistry

E: Sometimes, when I do not initially understand a new topic in chemistry, I know that I will never really understand it

F: Chemistry is not one of my strengths

G: I learn things quickly in chemistry

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-11A-G)

Variable Name(s): BSBCTWEL, BSBCTMOR, BSBCTCLM, BSBCTENJ, BSBCTTOP, BSBCTSTR, BSBCTQKY

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-20A-G	X	Question not administered or data not available
INDONESIA	SQ2S-20A-G	X	Question not administered or data not available
NETHERLANDS	SQ2S-20A-G	X	Question not administered or data not available

-- / SQ2S-21A-E**Question:**

How much do you agree with these statements about chemistry?

A: I think learning chemistry will help me in my daily life

B: I need chemistry to learn other school subjects

C: I need to do well in chemistry to get into the <university> of my choice

D: I would like a job that involved using chemistry

E: I need to do well in chemistry to get the job I want

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-12A-E)

Variable Name(s): BSBCAHDL, BSBCAOSS, BSBCAUNI, BSBCAJOB, BSBCAGET

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-21A-E	X	Question not administered or data not available
INDONESIA	SQ2S-21A-E	X	Question not administered or data not available
NETHERLANDS	SQ2S-21A-E	X	Question not administered or data not available

-- / SQ2S-22A-N**Question:**

How often do you do these things in your chemistry lessons?

A: We watch the teacher demonstrate an experiment or investigation

B: We formulate hypotheses or predictions to be tested

C: We design or plan an experiment or investigation

D: We conduct an experiment or investigation

E: We work in small groups on an experiment or investigation

F: We write explanations about what was observed and why it happened

G: We study the impact of technology on society

H: We relate what we are learning in chemistry to our daily lives

I: We present our work to the class

J: We review our homework

K: We listen to the teacher give a lecture-style presentation

L: We work problems on our own

M: We begin our homework in class

N: We have a quiz or test

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

(Corresponding question about the general science included in SQ2-13A-N)

Variable Name(s): BSBCHDEI, BSBCHFHP, BSBCHPEI, BSBCHCEI, BSBCHWGO, BSBCHEOH, BSBCHITS, BSBCHMDL, BSBCHPWC, BSBCHROH, BSBCHLSP, BSBCHWPO, BSBCHBHC, BSBCHHQT

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-22A-N	X	Question not administered or data not available
INDONESIA	SQ2S-22A-N	X	Question not administered or data not available
NETHERLANDS	SQ2S-22A-N	X	Question not administered or data not available

-- / SQ2S-23**Question:**

Are you studying physics in school this year?

1 = Yes

2 = No

Variable Name(s): BSBPPHY

Country	Item ID	Code	Documentation
LATVIA	SQ2S-23	D	Gang punch 100% to "Yes"
NETHERLANDS	SQ2S-23	D	Stem of the question changed: Are you studying physics/chemistry in school this year?

-- / SQ2S-24A-G**Question:**

How much do you agree with these statements about learning physics?

A: I usually do well in physics

B: I would like to take more physics in school

C: Physics is more difficult for me than for many of my classmates

D: I enjoy learning physics

E: Sometimes, when I do not initially understand a new topic in physics, I know that I will never really understand it

F: Physics is not one of my strengths

G: I learn things quickly in physics

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

(Corresponding question about the general science included in SQ2-11A-G)

Variable Name(s): BSBPTWEL, BSBPTMOR, BSBPTCLM, BSBPTENJ, BSBPTTOP, BSBPTSTR, BSBPTQKY

Country	Item ID	Code	Documentation
NETHERLANDS	SQ2S-24A-G	D	Stem of the question changed: How much do you agree with these statements about learning physics/chemistry? Physics replaced with physics/chemistry for all the options.

-- / SQ2S-25A-E**Question:**

- How much do you agree with these statements about physics?
A: I think learning physics will help me in my daily life
B: I need physics to learn other school subjects
C: I need to do well in physics to get into the <university> of my choice
D: I would like a job that involved using physics
E: I need to do well in physics to get the job I want
1 = Agree a lot
2 = Agree a little
3 = Disagree a little
4 = Disagree a lot

(Corresponding question about the general science included in SQ2-12A-E)

Variable Name(s): BSBPAHDL, BSBPAOSS, BSBPAUNI, BSBPAJOB, BSBPAGET

Country	Item ID	Code	Documentation
NETHERLANDS	SQ2S-25A-E	D	Stem of the question changed: How much do you agree with these statements about physics/chemistry? Physics replaced with physics/chemistry for all the options.

-- / SQ2S-26A-N**Question:**

- How often do you do these things in your physics lessons?
A: We watch the teacher demonstrate an experiment or investigation
B: We formulate hypotheses or predictions to be tested
C: We design or plan an experiment or investigation
D: We conduct an experiment or investigation
E: We work in small groups on an experiment or investigation
F: We write explanations about what was observed and why it happened
G: We study the impact of technology on society
H: We relate what we are learning in physics to our daily lives
I: We present our work to the class
J: We review our homework
K: We listen to the teacher give a lecture-style presentation
L: We work problems on our own
M: We begin our homework in class
N: We have a quiz or test
1 = Every or almost every lesson
2 = About half the lessons
3 = Some lessons
4 = Never

(Corresponding question about the general science included in SQ2-13A-N)

Variable Name(s): BSBPHDEI, BSBPHFHP, BSBPHPEI, BSBPHCEI, BSBPHWGO, BSBPHEOH, BSBPHITS, BSBPHMDL, BSBPHPWC, BSBPHROH, BSBPHLSP, BSBPHWPO, BSBPHBHC, BSBPHHQT

Country	Item ID	Code	Documentation
NETHERLANDS	SQ2S-26A-N	D	Stem of the question changed: How often do you do these things in your physics lessons? Physics replaced with physics/chemistry for all the options.

Question:

How often do you these things with a computer?
A: I look up ideas and information for mathematics
B: I look up ideas and information for biology
C: I look up ideas and information for earth science
D: I look up ideas and information for chemistry
E: I look up ideas and information for physics
F: I write reports for school
G: I process and analyze data
1 = Every day
2 = At least once a week
3 = Once or twice a month
4 = A few times a year
5 = Never

(Corresponding question about the general science included in SQ2-14CA-CD)

Variable Name(s): BSBMOINF, BSBBOINF, BSBEOINF, BSBCOINF, BSBPOINF, BSBGOREP, BSBGOPAD

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-27CD	X	Option not administered or data not available
BELGIUM (FLEMISH)	SQ2S-27CE	D	I look up ideas and information for physics/scientific work
LATVIA	SQ2S-27CC	X	Option not administered or data not available
LEBANON	SQ2S-27CB	D	I look up ideas and information for life and earth science
LEBANON	SQ2S-27CC	X	Option not administered or data not available
MACEDONIA, REP.	SQ2S-27CA-CG	X	Question not administered or data not available
SLOVENIA	SQ2S-27CC	X	Option not administered or data not available

-- / SQ2S-31A-E**Question:**

During this school year, how often have you had extra lessons or tutoring that is not part of your regular class in each of the following subjects?

A: Mathematics

B: Biology

C: Earth science

D: Chemistry

E: Physics

1 = Every or almost every day

2 = Once or twice a week

3 = Sometimes

4 = Never or almost never

(Corresponding question about the general science included in SQ2-18A-B)

Variable Name(s): BSBMEXLS, BSBBEXLS, BSBEXLS, BSBCEXLS, BSBPEXLS

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-31D	X	Option not administered or data not available
BELGIUM (FLEMISH)	SQ2S-31E	D	Physics/scientific work
LATVIA	SQ2S-31C	X	Option not administered or data not available
LEBANON	SQ2S-31B	D	Life and earth science
LEBANON	SQ2S-31C	X	Option not administered or data not available
NETHERLANDS	SQ2S-31D	X	Option not administered or data not available
NETHERLANDS	SQ2S-31E	D	Physics/chemistry
SLOVENIA	SQ2S-31C	X	Option not administered or data not available

Question:

How often does your teacher give you homework in each of the following subjects?

A: Mathematics

B: Biology

C: Earth science

D: Chemistry

E: Physics

1 = Every day

2 = 3 or 4 times a week

3 = 1 or 2 times a week

4 = Less than once a week

5 = Never

(Corresponding question about the general science included in SQ2-19A-B)

Variable Name(s): BSBMTGHW, BSBBTGHW, BSBETGHW, BSBCTGHW, BSBPTGHW

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-32AD	X	Option not administered or data not available
BELGIUM (FLEMISH)	SQ2S-32AE	D	Physics/scientific work
LATVIA	SQ2S-32AC	X	Option not administered or data not available
LEBANON	SQ2S-32AB	D	Life and earth science
LEBANON	SQ2S-32AC	X	Option not administered or data not available
NETHERLANDS	SQ2S-32AD	X	Option not administered or data not available
NETHERLANDS	SQ2S-32AE	D	Physics/chemistry
SLOVENIA	SQ2S-32AC	X	Option not administered or data not available

Question:

When your teacher gives you homework in each of the following subjects, about how many minutes are you usually given?

A: Mathematics

B: Biology

C: Earth science

D: Chemistry

E: Physics

1 = Fewer than 15 minutes

2 = 15 - 30 minutes

3 = 31 - 60 minutes

4 = 61 - 90 minutes

5 = More than 90 minutes

(Corresponding question about the general science included in SQ2-20A-B)

Variable Name(s): BSBMHWMI, BSBBHWMI, BSBEHWMI, BSBCHWMI, BSBPHWMI

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SQ2S-32BD	X	Option not administered or data not available
BELGIUM (FLEMISH)	SQ2S-32BE	D	Physics/scientific work
LATVIA	SQ2S-32BC	X	Option not administered or data not available
LEBANON	SQ2S-32BB	D	Life and earth science
LEBANON	SQ2S-32BC	X	Option not administered or data not available
NETHERLANDS	SQ2S-32BD	X	Option not administered or data not available
NETHERLANDS	SQ2S-32BE	D	Physics/chemistry
SLOVENIA	SQ2S-32BC	X	Option not administered or data not available

ITLANG**Question:**

LANGUAGE OF TEST

Variable Name(s): ITLANG

Country	Item ID	Code	Documentation
ARMENIA	ITLANG	D	1 = Armenian
AUSTRALIA	ITLANG	D	1 = English
BAHRAIN	ITLANG	D	1 = Arabic 2 = English
BASQUE CTY, SPAIN	ITLANG	D	1 = Castilian 2 = Basque
BELGIUM (FLEMISH)	ITLANG	D	1 = Dutch
BOTSWANA	ITLANG	D	1 = English
BULGARIA	ITLANG	D	1 = Bulgarian
CHILE	ITLANG	D	1 = Spanish (Castilian)
CHINESE TAIPEI	ITLANG	D	1 = Mandarin (Chinese)
CYPRUS	ITLANG	D	1 = Greek
EGYPT	ITLANG	D	1 = Arabic 2 = English 3 = French
ENGLAND	ITLANG	D	1 = English
ESTONIA	ITLANG	D	1 = Estonian 2 = Russian
GHANA	ITLANG	D	1 = English
HONG KONG	ITLANG	D	1 = Chinese and English
HUNGARY	ITLANG	D	1 = Hungarian
INDIANA, US	ITLANG	D	1 = English
INDONESIA	ITLANG	D	1 = Indonesian
IRAN, ISLAMIC REP.	ITLANG	D	1 = Farsi
ISRAEL	ITLANG	D	1 = Hebrew 2 = Arabic
ITALY	ITLANG	D	1 = Italian
JAPAN	ITLANG	D	1 = Japanese
JORDAN	ITLANG	D	1 = Arabic
KOREA, REP. OF	ITLANG	D	1 = Korean
LATVIA	ITLANG	D	1 = Latvian 2 = Russian
LEBANON	ITLANG	D	1 = English 2 = French
LITHUANIA	ITLANG	D	1 = Lithuanian
MACEDONIA, REP.	ITLANG	D	1 = Macedonian 2 = Albanian
MALAYSIA	ITLANG	D	1 = Malay
MOLDOVA, REP. OF	ITLANG	D	1 = Moldavian 2 = Russian
MOROCCO	ITLANG	D	1 = Arabic

NETHERLANDS	ITLANG	D	1 = Dutch
NEW ZEALAND	ITLANG	D	1 = English
NORWAY	ITLANG	D	1 = Norwegian
ONTARIO, CANADA	ITLANG	D	1 = English 2 = French
PALESTINIAN AUTH.	ITLANG	D	1 = Arabic 2 = English
PHILIPPINES	ITLANG	D	1 = English
QUEBEC, CANADA	ITLANG	D	1 = English 2 = French
ROMANIA	ITLANG	D	1 = Romanian 2 = Hungarian
RUSSIAN FED.	ITLANG	D	1 = Russian
SAUDI ARABIA	ITLANG	D	1 = Arabic
SCOTLAND	ITLANG	D	1 = English
SERBIA	ITLANG	D	1 = Serbian
SINGAPORE	ITLANG	D	1 = English
SLOVAK REP.	ITLANG	D	1 = Slovak 2 = Hungarian
SLOVENIA	ITLANG	D	1 = Slovene
SOUTH AFRICA	ITLANG	D	1 = English 2 = Afrikaans
SWEDEN	ITLANG	D	1 = Swedish
SYRIAN ARAB REP.	ITLANG	D	1 = Arabic
TUNISIA	ITLANG	D	1 = Arabic
UNITED STATES	ITLANG	D	1 = English

Section 2

**Eighth Grade – Mathematics
Teacher Questionnaire**

Section 2: Eighth Grade - Mathematics Teacher Questionnaire

TQM2-03

Question:

By the end of this school year, how many years will you have been teaching altogether?

Variable Name(s): BTBGTAUT

Country	Item ID	Code	Documentation
INDIANA, US	TQM2-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time
UNITED STATES	TQM2-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time

TQM2-04**Question:**

What is the highest level of formal education you have completed?

1 = Did not complete <ISCED 3>

2 = Finished <ISCED 3>

3 = Finished <ISCED 4B>

4 = Finished <ISCED 5B>

5 = Finished <ISCED 5A, first degree>

6 = Finished <ISCED 5A, second degree> or higher

Variable Name(s): BTBGFEDC

Country	Item ID	Code	Documentation
ARMENIA	TQM2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Secondary general education (10 years) / Uncompleted higher education 3 = Preliminary professional education 4 = Option not administered or data not available 5 = Higher education 6 = Higher professional education or higher
AUSTRALIA	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school or apprenticeship 3 = Option not administered or data not available 4 = TAFE or College diploma or certificate 5 = Bachelor's degree 6 = Post graduate diploma / Master's degree or higher
BAHRAIN	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete one or two years of secondary education / Finished one or two years of secondary education 2 = General or technical secondary education certificate 3 = Vocational or technical courses of the secondary education (two years or less) 4 = Option not administered or data not available 5 = Bachelor's degree 6 = Master's degree or higher
BASQUE CTY, SPAIN	TQM2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Qualified or technical engineer or similar (university 1st degree) 6 = Graduate, high level engineer, doctor or similar (university 2nd degree)
BELGIUM (FLEMISH)	TQM2-04	D	Gang punched to "College education"(Finished ISCED 5B)
BOTSWANA	TQM2-04	D	Nationally defined options: 1 = Did not complete senior secondary 2 = Senior secondary 3 = Vocational/technical training 4 = Diploma 5 = First degree 6 = Master's degree or higher
BULGARIA	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Secondary profile school 4 = Other vocational education 5 = Higher education - Bachelor's degree 6 = Higher education - Master's, PhD

CHILE	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Technical education center 4 = Professional institute 5 = Higher education (university) 6 = Master's or PhD
CHINESE TAIPEI	TQM2-04	D	Nationally defined options: 1 = Did not complete senior high school, vocational school or equivalent 2 = Teacher school, senior high school, vocational school 3 = Vocational high school 4 = College/junior college of technology 5 = Bachelor's degree 6 = Master's degree or PhD
CYPRUS	TQM2-04	D	Nationally defined options: 1 = Did not complete lyceum 2 = Lyceum 3 = Two- year college 4 = Polytechnic 5 = University 6 = University second degree or Master's degree
EGYPT	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary school certificate (professional education) 4 = Option not administered or data not available 5 = University education 6 = Post university - Master's degree or PhD
ENGLAND	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete A level 2 = A level or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Bachelor's degree or teaching certificate 6 = Master's degree or higher
ESTONIA	TQM2-04	D	Nationally defined options: 1 = Did not finish secondary education 2 = Secondary education 3 = Post secondary vocational education 4 = 3-4 years of university 5 = Bachelor's degree (higher education, 5 years) 6 = Master's degree or PhD
GHANA	TQM2-04	D	Nationally defined options: 1 = Did not complete senior secondary school (compulsory 9 years of basic education) 2 = Senior secondary school, O (ordinary) level, A (advanced) level 3 = 1-2 years post secondary courses (e.g. tourism institute, catering, computer science) 4 = Polytechnic education after senior secondary school for a diploma or higher certificate (2-3 years) 5 = Bachelor's degree 6 = Master's degree or higher
HONG KONG	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Secondary school and vocational training 4 = Secondary education and certificate, diploma or Associate's degree 5 = Bachelor's degree or equivalent 6 = Master's degree or higher
HUNGARY	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Option not administered or data not available 4 = Accredited post secondary vocational program certificate 5 = College education 6 = University education

INDIANA, US	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)
INDONESIA	TQM2-04	D	Nationally defined options: 1 = Did not complete senior secondary high school (upper secondary level) 2 = Senior secondary high school (upper secondary level) 3 = One- or two-year degree program from a college or university 4 = Three- or four-year degree program from a college or university 5 = First degree from a university (Bachelor's degree) 6 = Second degree or higher from a university (post graduate degree)
IRAN, ISLAMIC REP.	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Diploma (high school) 3 = Upper diploma - 2 years after diploma 4 = Technical training (3-4 years) 5 = Bachelor's degree 6 = Master's degree or higher (upper level)
ISRAEL	TQM2-04	D	Nationally defined Options: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary education 4 = Option not administered or data not available 5 = Academic vocational studies (i.e. BEd)/Academic first degree 6 = Academic second degree or higher
ITALY	TQM2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Upper secondary school diploma or certificate for passing final examination of upper secondary school 3 = Post secondary vocational training course 4 = Vocational or technical program of higher education level 5 = Bachelor's degree 6 = Second degree or research degree or higher
JAPAN	TQM2-04	D	Nationally defined options: 1 = Did not complete upper secondary school 2 = Upper secondary school 3 = Junior college (2 years) 4 = Vocational course of college 5 = University 6 = Master's degree or higher (Graduate School)
JORDAN	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary stage 2 = Secondary stage 3 = Community college (2-year program) 4 = Community college (3-year program) 5 = First university degree 6 = Graduate degree
KOREA, REP. OF	TQM2-04	D	Nationally defined options: 1 = Did not complete high school 2 = High school 3 = Job or technical training after graduating high school 4 = Junior college 5 = University (Bachelor's degree) 6 = Graduate school (Master's degree or PhD)
LATVIA	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary or vocational school / Uncompleted higher education 3 = Technical or vocational school after secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor's or Master's degree) 6 = PhD

LEBANON	TQM2-04	X	Question not administered or data not available
LITHUANIA	TQM2-04	D	National options recoded to fit international categories: 1 = Did not finish secondary education 2 = Secondary education 3 = Some post-secondary education but not university (some college) 4 = Option not administered or data not available 5 = Four-year studies or Bachelor's degree 6 = Five-year studies, Master's degree or PhD
MACEDONIA, REP.	TQM2-04	D	Nationally defined options: 1 = Unfinished secondary school 2 = Secondary school 3 = Post secondary school 4 = Two years of university 5 = University 6 = Post university education
MALAYSIA	TQM2-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Secondary education with certificate (not teaching certificate) 4 = Education with diploma (not teaching diploma) 5 = First degree 6 = Higher than first degree
MOLDOVA, REP. OF	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete upper secondary education 2 = Upper secondary education / Incomplete tertiary education 3 = College 4 = Option not administered or data not available 5 = Tertiary education 6 = Master's degree or PhD
MOROCCO	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary education 3 = Option not administered or data not available 4 = General university diploma (2 year post secondary) 5 = First university degree (Bachelor's degree) 6 = Post graduate diploma (2 years after Bachelor's degree or Master's degree) / PhD
NETHERLANDS	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary general education or secondary vocational education 2 = Secondary general education or secondary vocational education 3 = Option not administered or data not available 4 = Higher vocational education 5 = Option not administered or data not available 6 = University (Master's degree or PhD)
NEW ZEALAND	TQM2-04	D	National options recoded to fit international categories: 1 = I do not have a tertiary entry qualification (e.g. UE or Bursary) 2 = Tertiary entry qualification (e.g. UE or Bursary) 3 = Trade, national, or tertiary certificate (e.g. NZCS Level 3-5) 4 = National diploma (e.g. National Diploma in Science L5-6), Diploma (e.g. Diploma of Teaching - Primary) 5 = Bachelor's degree 6 = Bachelor's honours degree, post graduate diploma (e.g. Dip. ORS), Master's degree / PhD
NORWAY	TQM2-04	D	National options recoded to fit international categories: 1 = Primary and lower secondary 2 = Upper secondary 3 = Option not administered or data not available 4 = Teacher college 5 = Candidates' exam lower degree with pedagogy from university 6 = Candidates' exam higher degree with pedagogy from university

ONTARIO, CANADA	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Vocational/technical program or college degree 5 = BA or equivalent 6 = MA or PhD
PALESTINIAN AUTH.	TQM2-04	D	Nationally defined options: 1 = Did not complete general secondary stage certificate 2 = General secondary stage certificate 3 = Two years after school diploma 4 = Three years after school diploma 5 = Bachelor's degree 6 = Master's degree or higher
PHILIPPINES	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education (high school) 3 = Vocational/technical program (1-2 years) 4 = Vocational/technical program (4 years) 5 = Academic Bachelor's degree 6 = Master's degree or higher
QUEBEC, CANADA	TQM2-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Vocational/technical program or college degree 5 = BA or equivalent 6 = MA or PhD
ROMANIA	TQM2-04	D	Nationally defined options: 1 = Did not finish upper secondary school 2 = Upper secondary school 3 = Post secondary school 4 = College 5 = University first degree 6 = Master's degree or PhD
RUSSIAN FED.	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary general education 3 = Secondary professional education 4 = Option not administered or data not available 5 = Higher education, 4 years (Bachelor's) 6 = Higher education, 5-6 years (Master's) / Second higher education or PhD
SAUDI ARABIA	TQM2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Secondary teacher institute / Elementary teacher institute 3 = Junior (intermediate) teacher college 4 = Option not administered or data not available 5 = University (Bachelor's degree) 6 = Graduate studies / Higher diploma (after university)
SCOTLAND	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete Highers 2 = Highers or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = University degree or teaching certificate 6 = Post graduate degree or higher
SERBIA	TQM2-04	D	Nationally defined options: 1 = Did not finish high school 2 = High school 3 = Vocational secondary school 4 = Higher school (2-year post secondary education) 5 = University 6 = Master's degree, PhD or other academic title or specialization

SINGAPORE	TQM2-04	D	Nationally defined options: 1 = Did not complete JC, Pre-U, Polytechnic education 2 = JC, Pre-U, Polytechnic education 3 = Non-graduate teacher education 4 = University education (vocational/technical) 5 = University education (academic/professional) 6 = Post graduate education (Master's degree or PhD)
SLOVAK REP.	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary education 3 = Post secondary education 4 = Option not administered or data not available 5 = University 6 = PhD
SLOVENIA	TQM2-04	D	National options recoded to fit international categories: 1 = Did not finish secondary school 2 = Secondary school 3 = Vocational courses after secondary education 4 = Option not administered or data not available 5 = Two years university studies 6 = Four years university studies / Master's degree or PhD
SOUTH AFRICA	TQM2-04	D	Nationally defined options: 1 = Did not complete grade 12 2 = Grade 12 3 = Post Matric certificate 4 = Diploma 5 = First degree 6 = Honour's degree or higher
SWEDEN	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete upper secondary school 2 = Upper secondary school 3 = Vocational supplementary education, other than university education 4 = Option not administered or data not available 5 = Degree from undergraduate university education 6 = Master's degree or other higher degree
SYRIAN ARAB REP.	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary school certificate (professional education) 4 = Option not administered or data not available 5 = University education 6 = Post university - Master's degree or PhD
TUNISIA	TQM2-04	D	Nationally defined options: 1 = Did not complete Baccalaureate 2 = Baccalaureate 3 = Baccalaureate plus 2 years of vocational training 4 = Baccalaureate plus 2 years of university studies (DUJEL, primary school teacher diploma, etc.) 5 = Baccalaureate plus 4 years of university studies (BA/BS) 6 = Doctorate, Baccalaureate plus 6 years of university studies or higher
UNITED STATES	TQM2-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)

TQM2-05**Question:**

How many years of <pre-service teacher training> did you have? Please round to the nearest whole number.

1 = 0 years

2 = 1 year

3 = 2 years

4 = 3 years

5 = 4 years

6 = 5 years

7 = More than 5 years

Variable Name(s): BTBGYTTR

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	TQM2-05	X	Question not administered or data not available
HUNGARY	TQM2-05	X	Question not administered or data not available
ITALY	TQM2-05	X	Question not administered or data not available
LITHUANIA	TQM2-05	X	Question not administered or data not available
NORWAY	TQM2-05	X	Question not administered or data not available

TQM2-06A-F**Question:**

During your <post-secondary> education, what was your major or main area(s) of study?

A: Mathematics

B: Education-Mathematics

C: Science

D: Education-Science

E: Education-General

F: Other

1 = Yes

2 = No

Variable Name(s): BTBMP SMA, BTBMP SEM, BTBSP SSC, BTBSP SED, BTBGP SEG, BTBGP SOT

Country	Item ID	Code	Documentation
ARMENIA	TQM2-06D	X	Option not administered or data not available
BELGIUM (FLEMISH)	TQM2-06B-D	X	Option not administered or data not available
INDIANA, US	TQM2-06A	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQM2-06B	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQM2-06C	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQM2-06D	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQM2-06E	D	Stem of the question changed: Education - Other National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQM2-06F	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
ITALY	TQM2-06B	X	Option not administered or data not available
ITALY	TQM2-06D	X	Option not administered or data not available
LEBANON	TQM2-06A-F	X	Question not administered or data not available
NETHERLANDS	TQM2-06C	X	Option not administered or data not available
NEW ZEALAND	TQM2-06C	D	Asked in national question part C and D: c) Physics d) Another science (e.g. biology, chemistry, geology)
RUSSIAN FED.	TQM2-06B,E-F	X	Question not administered or data not available
SOUTH AFRICA	TQM2-06A-F	D	Stem of the question changed: During your certificate, diploma or degree education, what was your major or main area(s) of study?
UNITED STATES	TQM2-06A	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQM2-06B	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQM2-06C	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No

UNITED STATES	TQM2-06D	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQM2-06E	D	Stem of the question changed: Education - Other National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQM2-06F	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No

TQM2-07A-E**Question:**

What requirements did you have to satisfy in order to become a mathematics teacher at <grade 8>?

A: Complete <ISCED 5A, first degree>

B: Complete a probationary period

C: Complete a minimum number of education courses

D: Complete a minimum number of mathematics courses

E: Pass a licensing examination

1 = Yes

2 = No

Variable Name(s): BTBMRB5A, BTBMRBPP, BTBMRBEC, BTBMRBMC, BTBMRBLE

Country	Item ID	Code	Documentation
ARMENIA	TQM2-07A	D	Higher education
AUSTRALIA	TQM2-07A	D	Bachelor's degree
BAHRAIN	TQM2-07A	D	Bachelor's degree
BASQUE CTY, SPAIN	TQM2-07A	D	University 1st degree
BELGIUM (FLEMISH)	TQM2-07A-E	X	Question not administered or data not available
BOTSWANA	TQM2-07A	D	Diploma or first degree
BULGARIA	TQM2-07A	D	Higher education (Bachelor's degree)
CHILE	TQM2-07A	D	Higher education (university)
CHINESE TAIPEI	TQM2-07A	D	Bachelor's degree
CYPRUS	TQM2-07A	D	University degree
EGYPT	TQM2-07A	D	University education
ENGLAND	TQM2-07A-E	X	Question not administered or data not available
ESTONIA	TQM2-07A	D	Bachelor's degree
GHANA	TQM2-07A	D	Bachelor's degree
HONG KONG	TQM2-07A	D	Bachelor's degree
HUNGARY	TQM2-07A	D	University or college
HUNGARY	TQM2-07B	X	Option not administered or data not available
HUNGARY	TQM2-07E	X	Option not administered or data not available
INDIANA, US	TQM2-07A	D	Bachelor's degree
INDONESIA	TQM2-07A	D	First degree from a university (Bachelor's degree)
INDONESIA	TQM2-07B	X	Option not administered or data not available
IRAN, ISLAMIC REP.	TQM2-07A	D	Bachelor's degree
ISRAEL	TQM2-07A	D	Academic first degree
ITALY	TQM2-07A	D	Bachelor's degree
ITALY	TQM2-07B	D	To teach some years
JAPAN	TQM2-07A	D	University
JORDAN	TQM2-07A	D	First university degree
KOREA, REP. OF	TQM2-07A	D	University education
LATVIA	TQM2-07A	D	Higher education (Bachelor's or Master's degree)
LATVIA	TQM2-07E	X	Option not administered or data not available
LEBANON	TQM2-07A	D	Bachelor's degree or equivalent
LITHUANIA	TQM2-07A-E	X	Question not administered or data not available
MACEDONIA, REP.	TQM2-07A	D	Finished two years of university or finished university

MALAYSIA	TQM2-07A	D	First degree
MOLDOVA, REP. OF	TQM2-07A	D	Tertiary education
MOROCCO	TQM2-07A-E	X	Option not administered or data not available
NETHERLANDS	TQM2-07A-E	X	Question not administered or data not available
NEW ZEALAND	TQM2-07A	D	Bachelor's degree
NORWAY	TQM2-07A-E	X	Question not administered or data not available
ONTARIO, CANADA	TQM2-07A	D	Bachelor's degree
PALESTINIAN AUTH.	TQM2-07A	D	Bachelor's degree
PHILIPPINES	TQM2-07A	D	Academic Bachelor's degree
QUEBEC, CANADA	TQM2-07A	D	Bachelor's degree
ROMANIA	TQM2-07A	D	University first degree
RUSSIAN FED.	TQM2-07A	D	University
RUSSIAN FED.	TQM2-07C-E	X	Question not administered or data not available
SAUDI ARABIA	TQM2-07A	D	University (Bachelor's degree)
SCOTLAND	TQM2-07A-E	X	Question not administered or data not available
SERBIA	TQM2-07A	D	University
SINGAPORE	TQM2-07A	D	University education
SINGAPORE	TQM2-07E	D	Gang punched to "No"
SLOVAK REP.	TQM2-07A	D	Bachelor's degree (4 years)
SLOVENIA	TQM2-07A	D	University
SOUTH AFRICA	TQM2-07A	D	First degree
SWEDEN	TQM2-07A	D	First degree from university or university college
SWEDEN	TQM2-07E	X	Option not administered or data not available
SYRIAN ARAB REP.	TQM2-07A	D	University education
TUNISIA	TQM2-07A	D	BA/BS (Baccalaureate plus 4 years of university studies)
UNITED STATES	TQM2-07A	D	Bachelor's degree

TQM2-08A-B**Question:**

A: Do you have a teaching license or certificate?

1 = Yes

2 = No

B: What type of license or certificate do you hold?

1 = <Full certificate>

2 = <Provisional certificate>

3 = <Emergency certificate>

4 = Other

Variable Name(s): BTBGTLC, BTBGTELC

Country	Item ID	Code	Documentation
ARMENIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Diploma of higher education / Diploma of preliminary professional education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
AUSTRALIA	TQM2-08A	D	Stem of the question changed: Do you have a teaching registration or approval to teach from a government education department?
AUSTRALIA	TQM2-08B	D	Stem of the question changed: What type of registration do you hold? Nationally defined options: 1 = Full registration/approval 2 = Provisional registration/approval 3 = Emergency registration/approval 4 = Other
BAHRAIN	TQM2-08B	D	National options recoded to fit international categories: 1 = Educational academic certificate / Academic certificate 2 = Teacher's diploma certificate 3 = Option not administered or data not available 4 = Other
BASQUE CTY, SPAIN	TQM2-08A-B	X	Question not administered or data not available
BELGIUM (FLEMISH)	TQM2-08A	X	Question not administered or data not available
BELGIUM (FLEMISH)	TQM2-08B	X	Question not administered or data not available
BOTSWANA	TQM2-08B	D	National options recoded to fit international categories: 1 = Diploma in secondary education / Post graduate diploma in education / Bachelor of education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
BULGARIA	TQM2-08B	X	Question not administered or data not available
CHILE	TQM2-08B	D	National options recoded to fit international categories: 1 = Certificate with secondary education / Certificate with university education for primary grades / Certificate with university education for all grades 2 = Option not administered or data not available 3 = Recognized state teacher 4 = Other
CHINESE TAIPEI	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
CYPRUS	TQM2-08A-B	X	Question not administered or data not available

EGYPT	TQM2-08B	D	National options recoded to fit international categories: 1 = University (diploma from faculty of teachers) / University without teacher education 2 = Two years after secondary school certificate 3 = Option not administered or data not available 4 = Other
ENGLAND	TQM2-08A-B	X	Question not administered or data not available
ESTONIA	TQM2-08B	D	Nationally defined options: 1 = Qualified teacher (university degree in pedagogy) 2 = Unfinished teachers' studies 3 = Replacement teacher 4 = Other
GHANA	TQM2-08B	D	National options recoded to fit international categories: 1 = 3 years post sec 2 = 2 years post sec / Post B cert A 3 = Option not administered or data not available 4 = Other
HONG KONG	TQM2-08B	D	Nationally defined options: 1 = Registered teacher 2 = Permitted teacher 3 = Option not administered or data not available 4 = Other
HUNGARY	TQM2-08A-B	X	Question not administered or data not available
INDIANA, US	TQM2-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available
INDONESIA	TQM2-08B	D	Gang punched to "Full certificate"
IRAN, ISLAMIC REP.	TQM2-08B	D	National options recoded to fit international categories: 1 = Certificate from a university (special teacher studies and training) / Certificate from a teacher training center 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
ISRAEL	TQM2-08B	D	National options recoded to fit international categories: 1 = Full BEd and certificate / Full academic degree and teaching diploma certificate / Full non-academic certificate / Full ministry certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
ITALY	TQM2-08B	X	Question not administered or data not available
JAPAN	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
JORDAN	TQM2-08B	D	National options recoded to fit international categories: 1 = Full certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
KOREA, REP. OF	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
LATVIA	TQM2-08A-B	X	Question not administered or data not available

LEBANON	TQM2-08B	D	National options recoded to fit international categories: 1 = Normal school / Normal school - middle cycle / Aptitude certification for secondary level teaching (CAPES) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
LITHUANIA	TQM2-08A	D	Stem of the question changed: What is your qualification category? National options recoded to fit international categories: 1 = Teacher / Senior teacher / Teacher - methodologist / Expert teacher 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available
LITHUANIA	TQM2-08B	X	Question not administered or data not available
MACEDONIA, REP.	TQM2-08B	X	Question not administered or data not available
MALAYSIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Teaching certificate or diploma after degree / Malaysian teaching diploma / Teaching certificate (teacher training college) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
MOLDOVA, REP. OF	TQM2-08B	D	Nationally defined options: 1 = Higher education 2 = Secondary vocational education 3 = Secondary education (Bachelor's) 4 = Other
MOROCCO	TQM2-08B	X	Question not administered or data not available
NETHERLANDS	TQM2-08A-B	X	Question not administered or data not available
NEW ZEALAND	TQM2-08B	D	Nationally defined options: 1 = Full registration / Registration subject to confirmation 2 = Provisional registration 3 = Option not administered or data not available 4 = Other (e.g. limited authority)
NORWAY	TQM2-08B	X	Question not administered or data not available
ONTARIO, CANADA	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
PALESTINIAN AUTH.	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
PHILIPPINES	TQM2-08B	D	National options recoded to fit international categories: 1 = Philippine Board Examination for Teachers (PBET) / Licensure Examination for Teachers (LET) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
QUEBEC, CANADA	TQM2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
ROMANIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Teacher certificate obtained after at least 2 years of teaching / Rank 2 teaching certificate / Rank 1 teaching certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other

RUSSIAN FED.	TQM2-08B	D	Nationally defined options: 1 = Diploma 2 = Provisional certificate 3 = Emergency certificate for a short period of time 4 = Other
SAUDI ARABIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Bachelor's degree (educational) / Bachelor's degree (non-educational) / Teacher's Diploma 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
SCOTLAND	TQM2-08A-B	X	Question not administered or data not available
SERBIA	TQM2-08B	D	Nationally defined options: 1 = Graduation certificate and the state exam 2 = Graduation certificate without the state exam 3 = Absolvent 4 = Other
SINGAPORE	TQM2-08B	D	Gang punched to "Full certificate"
SLOVAK REP.	TQM2-08B	D	Nationally defined options: 1 = Full university degree - teacher qualification 2 = University degree 3 = Supplementary teacher course 4 = Other
SLOVENIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Full certificate for a subject you are teaching 2 = Option not administered or data not available 3 = Certificate for a subject other than a subject you are teaching / Uncompleted certificate (still studying) 4 = Other
SOUTH AFRICA	TQM2-08B	D	Stem of the question changed: What type of diploma do you hold? National options recoded to fit international categories: 1 = Post graduate higher diploma of education / Higher diploma of education / Provincial diploma of education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
SWEDEN	TQM2-08A	D	Stem of the question changed: Have you completed teacher training?
SWEDEN	TQM2-08B	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-08B	D	National options recoded to fit international categories: 1 = University (diploma from faculty of teachers) / University without teacher education / Two years after secondary school certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
TUNISIA	TQM2-08B	D	National options recoded to fit international categories: 1 = Equivalent of the end of the second cycle of university studies (4 years) / Equivalent of the end of the first cycle of university studies (2 years) 2 = Option not administered or data not available 3 = Less than the above 4 = Other
UNITED STATES	TQM2-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available

TQM2-09AA-AB**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach number topics at the <eighth> grade?

A: Representing decimals and fractions using words, numbers, or models (including number lines)

B: Integers including words, numbers, or models; ordering integers; and addition, subtraction, multiplication, and division with integers

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBMRE01, BTBMRE02

Country	Item ID	Code	Documentation
ENGLAND	TQM2-09AA-AB	X	Question not administered or data not available
LATVIA	TQM2-09AA-AB	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-09AA-AB	X	Question not administered or data not available

TQM2-09BA-BD**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach algebra topics at the <eighth> grade?

A: Numeric, algebraic, and geometric patterns or sequences; extension, missing terms, generalization of patterns

B: Simple linear equations and inequalities, and simultaneous two variable equations

C: Equivalent representations of functions as ordered pairs, tables, graphs, words, or equations

D: Attributes of a graph such as intercepts on axes, and intervals where the function increases, decreases, or is constant

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBMRE03, BTBMRE04, BTBMRE05, BTBMRE06

Country	Item ID	Code	Documentation
ENGLAND	TQM2-09BA-BD	X	Question not administered or data not available
LATVIA	TQM2-09BA-BD	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-09BA-BD	X	Question not administered or data not available

TQM2-09CA-CD**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach measurement topics at the <eighth> grade?

A: Estimations of length, circumference, area, volume, weight, time, angle, and speed in problem situations -e.g., circumference of a wheel, speed of a runner)

B: Computations with measurements in problem situations -e.g., add measures, find average speed on a trip, find population density

C: Measures of irregular or compound areas -e.g., by using grids or dissecting and rearranging pieces

D: Precision of measurements -e.g., upper and lower bounds of a length reported as 8 centimeters to the nearest centimeter

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBMRE07, BTBMRE08, BTBMRE09, BTBMRE10

Country	Item ID	Code	Documentation
ENGLAND	TQM2-09CA-CD	X	Question not administered or data not available
LATVIA	TQM2-09CA-CD	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-09CA-CD	X	Question not administered or data not available

TQM2-09DA-DD**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach geometry topics at the <eighth> grade?

A: Pythagorean theorem to find length of a side with no proof

B: Congruent figures -triangles, quadrilaterals- and their corresponding measures

C: Cartesian plane - ordered pairs, equations, intercepts, intersections, and gradient

D: Translation, reflection, rotation, and enlargement

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBMRE11, BTBMRE12, BTBMRE13, BTBMRE14

Country	Item ID	Code	Documentation
ENGLAND	TQM2-09DA-DD	X	Question not administered or data not available
LATVIA	TQM2-09DA-DD	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-09DA-DD	X	Question not administered or data not available

TQM2-09EA-ED**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach data topics at the <eighth> grade?

A: Sources of error in collecting and organizing data -e.g., bias, inappropriate grouping

B: Data collection methods -e.g., survey, experiment, questionnaire

C: Characteristics of data sets including mean, median, range, and shape of distribution in general terms

D: Simple probability including using data from experiments to estimate probabilities for favorable outcomes

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBMRE15, BTBMRE16, BTBMRE17, BTBMRE18

Country	Item ID	Code	Documentation
ENGLAND	TQM2-09EA-ED	X	Question not administered or data not available
LATVIA	TQM2-09EA-ED	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-09EA-ED	X	Question not administered or data not available

TQM2-10A**Question:**

In one typical calendar week from Monday to Sunday, what is the total number of single periods for which you are formally scheduled? (Count a double period as two periods)

Variable Name(s): BTBGWTNP

Country	Item ID	Code	Documentation
SWEDEN	TQM2-10A	D	Stem of the question changed: In one typical calendar week from Monday to Sunday, what is the the total number of single periods (60 minutes) for which you are formally scheduled?

TQM2-10BA-BE**Question:**

Of these formally scheduled periods, how many are you assigned to do each of the followings?

A: Teach mathematics

B: Teach science

C: Teach other subjects

D: Perform other duties

Total

Variable Name(s): BTBMSPTM, BTBSSPTS, BTBGSPPTO, BTBGSPOD, BTBGSPPT

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	TQM2-10BB	D	Teach scientific work
LEBANON	TQM2-10BA-BE	X	Question not administered or data not available
SWEDEN	TQM2-10BA-BE	D	Stem of the question changed: How many of these periods (60 minutes) are you scheduled to do each of the following?

TQM2-10C**Question:**

How many minutes are in a typical single period?

Variable Name(s): BTBGMITY

Country	Item ID	Code	Documentation
LITHUANIA	TQM2-10C	D	Gang punched to "45"
SWEDEN	TQM2-10C	X	Question not administered or data not available

TQM2-19A-B**Question:**

A: Do you use a textbook(s) in teaching mathematics to the TIMSS class?

1 = Yes

2 = No

B: How do you use a textbook(s) in teaching mathematics to the TIMSS class?

1 = As the primary basis for my lessons

2 = As a supplementary resource

Variable Name(s): BTBMTBTC, BTBMTXBU

Country	Item ID	Code	Documentation
LITHUANIA	TQM2-19A	D	Stem of the question changed: Please indicate the percentage of use of the following teaching materials in teaching math to the TIMSS class? a) Textbook1 b) Textbook2 c) Textbook3 d) Textbook4 National options recoded to fit international question.
LITHUANIA	TQM2-19B	D	Stem of the question changed: Please indicate the percentage of use of the following teaching materials in teaching math to the TIMSS class? a) Textbook1 b) Textbook2 c) Textbook3 d) Textbook4 National options recoded to fit international question.
SINGAPORE	TQM2-19A	D	Gang punched to "Yes"

TQM2-23A-F**Question:**

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the TIMSS class?

A: Number (e.g., whole numbers, fractions, decimals, ratio, proportion, percent)

B: Geometry (e.g., lines and angles, shapes, congruence and similarity, spatial relationships, symmetry and transformations)

C: Algebra (e.g., patterns, equations and formulas, relationships)

D: Data (e.g., data collection and organization, data representation, data interpretation, probability)

E: Measurement (e.g., attributes and units, tools, techniques and formulas)

F: Other

Variable Name(s): BTBMCNUM, BTBMCGEO, BTBMCALG, BTBMCDAT, BTBMCMEA, BTBMCOTH

Country	Item ID	Code	Documentation
ENGLAND	TQM2-23A-F	X	Question not administered or data not available
LATVIA	TQM2-23E	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-23E	X	Option not administered or data not available
SCOTLAND	TQM2-23A-F	X	Question not administered or data not available

TQM2-24AA-AJ**Question:**

When were students in the TIMSS class taught following number topics?

A: Whole numbers including place value, factorization, and the four operations

B: Computations, estimations, or approximations involving whole numbers

C: Common fractions including equivalent fractions, and ordering of fractions

D: Decimal fractions including place value, ordering, rounding, and converting to common fractions (and vice versa)

E: Representing decimals and fractions using words, numbers, or models (including number lines)

F: Computations with fractions

G: Computations with decimals

H: Integers including words, numbers, or models (including number lines), ordering integers, addition, subtraction, multiplication, and division with integers

I: Ratios (equivalence, division of a quantity by a given ratio)

J: Conversion of percents to fractions or decimals, and vice versa

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBMT001, BTBMT002, BTBMT003, BTBMT004, BTBMT005, BTBMT006, BTBMT007, BTBMT008, BTBMT009, BTBMT010

Country	Item ID	Code	Documentation
LATVIA	TQM2-24AA-AJ	D	Data available only for Latvian questionnaires

TQM2-24BA-BF**Question:**

When were students in the TIMSS class taught following algebra topics?

A: Numeric, algebraic, and geometric patterns or sequences (extension, missing terms, generalization of patterns)

B: Sums, products, and powers of expressions containing variables

C: Simple linear equations and inequalities, and simultaneous (two variables) equations

D: Equivalent representations of functions as ordered pairs, tables, graphs, words, or equations

E: Proportional, linear, and nonlinear relationships (travel graphs and simple piecewise functions included)

F: Attributes of a graph such as intercepts on axes, and intervals where the function increases, decreases, or is constant

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBMT011, BTBMT012, BTBMT013, BTBMT014, BTBMT015, BTBMT016

Country	Item ID	Code	Documentation
LATVIA	TQM2-24BA-BF	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-24BA-BF	X	Question not administered or data not available

TQM2-24CA-CH**Question:**

When were students in the TIMSS class taught following measurement topics?

A: Standard units for measures of length, area, volume, perimeter, circumference, time, speed, density, angle, mass/weight)

B: Relationships among units for conversions within systems of units, and for rates

C: Use standard tools to measure length, weight, time, speed, angle, and temperature

D: Estimations of length, circumference, area, volume, weight, time, angle, and speed in problem situations (e.g., circumference of a wheel, speed of a runner)

E: Computations with measurements in problem situations (e.g., add measures, find average speed on a trip, find population density)

F: Measurement formulas for perimeter of a rectangle, circumference of a circle, areas of plane figures (including circles), surface area and volume of rectangular solids, and rates

G: Measures of irregular or compound areas (e.g., by using grids or dissecting and rearranging pieces)

H: Precision of measurements (e.g., upper and lower bounds of a length reported as 8 centimeters to the nearest centimeter)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBMT017, BTBMT018, BTBMT019, BTBMT020, BTBMT021, BTBMT022, BTBMT023, BTBMT024

Country	Item ID	Code	Documentation
LATVIA	TQM2-24CA-CH	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQM2-24CA-CH	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-24CC,CE	X	Option not administered or data not available

TQM2-24DA-DM**Question:**

When were students in the TIMSS class taught following geometry topics?

- A: Angles - acute, right, straight, obtuse, reflex, complementary, and supplementary
 - B: Relationships for angles at a point, angles on a line, vertically opposite angles, angles associated with a transversal cutting parallel lines, and perpendicularity
 - C: Properties of angle bisectors and perpendicular bisectors of lines
 - D: Properties of geometric shapes: triangles and quadrilaterals
 - E: Properties of other polygons (regular pentagon, hexagon, octagon, decagon)
 - F: Construct or draw triangles and rectangles of given dimensions
 - G: Pythagorean theorem (not proof) to find length of a side
 - H: Congruent figures (triangles, quadrilaterals) and their corresponding measures
 - I: Similar triangles and recall their properties
 - J: Cartesian plane - ordered pairs, equations, intercepts, intersections, and gradient
 - K: Relationships between two-dimensional and three-dimensional shapes
 - L: Line and rotational symmetry for two-dimensional shapes
 - M: Translation, reflection, rotation, and enlargement
- 1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): BTBMTO25, BTBMTO26, BTBMTO27, BTBMTO28, BTBMTO29, BTBMTO30, BTBMTO31, BTBMTO32, BTBMTO33, BTBMTO34, BTBMTO35, BTBMTO36, BTBMTO37

Country	Item ID	Code	Documentation
LATVIA	TQM2-24DA-DM	D	Data available only for Latvian questionnaires
MOROCCO	TQM2-24DM	X	Option not administered or data not available
RUSSIAN FED.	TQM2-24DA-DM	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-24DE,DM	X	Option not administered or data not available

TQM2-24EA-EH**Question:**

When were students in the TIMSS class taught following data topics?

- A: Organizing a set of data by one or more characteristics using a tally chart, table, or graph)
 - B: Sources of error in collecting and organizing data (e.g., bias, inappropriate grouping)
 - C: Data collection methods (e.g., survey, experiment, questionnaire)
 - D: Drawing and interpreting graphs, tables, pictographs, bar graphs, pie charts, and line graphs
 - E: Characteristics of data sets including mean, median, range, and shape of distribution (in general terms)
 - F: Interpreting data sets (e.g., draw conclusions, make predictions, and estimate values between and beyond given data points)
 - G: Evaluating interpretations of data with respect to correctness and completeness of interpretation
 - H: Simple probability including using data from experiments to estimate probabilities for favorable outcomes
- 1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): BTBMTO38, BTBMTO39, BTBMTO40, BTBMTO41, BTBMTO42, BTBMTO43, BTBMTO44, BTBMTO45

Country	Item ID	Code	Documentation
LATVIA	TQM2-24EA-EH	D	Data available only for Latvian questionnaires
MACEDONIA, REP.	TQM2-24EA-EG	X	Question not administered or data not available
RUSSIAN FED.	TQM2-24EA-EH	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-24EE	X	Option not administered or data not available

TQM2-25**Question:**

Are the students in the TIMSS class permitted to use calculators during mathematics lessons?

1 = Yes, with unrestricted use

2 = Yes, with restricted use

3 = No, calculators are not permitted

Variable Name(s): BTBMCAML

Country	Item ID	Code	Documentation
SLOVAK REP.	TQM2-25	X	Question not administered or data not available

TQM2-27**Question:**

How many students in the TIMSS class have graphing calculators available to use during mathematics lessons?

1 = All

2 = Most

3 = About half

4 = Some

5 = None

Variable Name(s): BTBMHSGC

Country	Item ID	Code	Documentation
LITHUANIA	TQM2-27	X	Question not administered or data not available

TQM2-30A-B**Question:**

A: Do students in the TIMSS class have computers available to use during their mathematics lessons?

1 = Yes

2 = No

B: Do any of the computers have access to the Internet?

1 = Yes

2 = No

Variable Name(s): BTBMCOMA, BTBMINTA

Country	Item ID	Code	Documentation
EGYPT	TQM2-30A-B	X	Question not administered or data not available

TQM2-31A-D**Question:**

In teaching mathematics to the TIMSS class, how often do you have students use a computer for the following activities?

A: Discover mathematics principles and concepts

B: Practice skills and procedures

C: Look up ideas and information

D: Process and analyze data

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

Variable Name(s): BTBMCADM, BTBMCASP, BTBMCALI, BTBMCAPA

Country	Item ID	Code	Documentation
EGYPT	TQM2-31A-D	X	Question not administered or data not available

TQM2-37**Question:**

How often do you give a mathematics test or examination to the TIMSS class?

1 = About once a week

2 = About every two weeks

3 = About once a month

4 = A few times a year

5 = Never

Variable Name(s): BTBMTEEX

Country	Item ID	Code	Documentation
EGYPT	TQM2-37	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-37	X	Question not administered or data not available

TQM2-38**Question:**

What item formats do you typically use in your mathematics tests or examinations?

1 = Only constructed-response

2 = Mostly constructed-response

3 = About half constructed-response and half objective (e.g., multiple-choice)

4 = Mostly objective

5 = Only objective

Variable Name(s): BTBMWFTU

Country	Item ID	Code	Documentation
EGYPT	TQM2-38	X	Question not administered or data not available
ONTARIO, CANADA	TQM2-38	D	Data available only for English questionnaires
QUEBEC, CANADA	TQM2-38	D	Data available only for English questionnaires
SYRIAN ARAB REP.	TQM2-38	X	Question not administered or data not available

TQM2-39A-C**Question:**

How often do you include the following types of questions in your mathematics tests or examinations?

A: Questions involving application of mathematical procedures

B: Questions involving searching for patterns and relationships

C: Questions requiring explanations or justifications

1 = Always or almost always

2 = Sometimes

3 = Never or almost never

Variable Name(s): BTBMTEAP, BTBMTEJP, BTBMTEJU

Country	Item ID	Code	Documentation
EGYPT	TQM2-39A-C	X	Question not administered or data not available
SYRIAN ARAB REP.	TQM2-39A-C	X	Question not administered or data not available

ITCOURSE**Question:**

TYPE OF COURSE

Variable Name(s): ITCOURSE

Country	Item ID	Code	Documentation
ARMENIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
AUSTRALIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BAHRAIN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BASQUE CTY, SPAIN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BELGIUM (FLEMISH)	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 5 = Earth Science 11 = Natural science 12 = Scientific work
BOTSWANA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BULGARIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
CHILE	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
CHINESE TAIPEI	ITCOURSE	D	1 = Mathematics 8 = Physical Science (Physics/Chemistry)
CYPRUS	ITCOURSE	D	1 = Mathematics 2 = Physics 4 = Chemistry 5 = Geography
EGYPT	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ENGLAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ESTONIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
GHANA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
HONG KONG	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
HUNGARY	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography

INDIANA, US	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
INDONESIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology
IRAN, ISLAMIC REP.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ISRAEL	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Earth Science 6 = Integrated Science
ITALY	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
JAPAN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
JORDAN	ITCOURSE	D	1 = Mathematics 6 = Integrated science
KOREA, REP. OF	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
LATVIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry
LEBANON	ITCOURSE	D	1 = Mathematics 2 = Physics 4 = Chemistry 6 = Integrated Science 9 = Life and Earth Science
LITHUANIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
MACEDONIA, REP.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
MALAYSIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
MOLDOVA, REP. OF	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Earth Science 9 = Life Science (Biology/Earth Science) 10 = Biology/Chemistry
MOROCCO	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 8 = Physical Science (Physics/Chemistry) 9 = Life Science (Biology/Earth Science)
NETHERLANDS	ITCOURSE	D	1 = Mathematics 3 = Biology 5 = Geography 8 = Physical Science (Physics/Chemistry)
NEW ZEALAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
NORWAY	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ONTARIO, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science

PALESTINIAN AUTH.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
PHILIPPINES	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
QUEBEC, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ROMANIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
RUSSIAN FED.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SAUDI ARABIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SCOTLAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SERBIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SINGAPORE	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SLOVAK REP.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SLOVENIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry
SOUTH AFRICA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SWEDEN	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography 6 = Integrated Science
SYRIAN ARAB REP.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
TUNISIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
UNITED STATES	ITCOURSE	D	1 = Mathematics 6 = Integrated Science

Section 3

Eighth Grade – Science Teacher Questionnaire

Section 3: Eighth Grade - Science Teacher Questionnaire

TQS2-03

Question:

By the end of this school year, how many years will you have been teaching altogether?

Variable Name(s): BTBGTAUT

Country	Item ID	Code	Documentation
INDIANA, US	TQS2-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time
UNITED STATES	TQS2-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time

TQS2-04**Question:**

What is the highest level of formal education you have completed?

1 = Did not complete <ISCED 3>

2 = Finished <ISCED 3>

3 = Finished <ISCED 4B>

4 = Finished <ISCED 5B>

5 = Finished <ISCED 5A, first degree>

6 = Finished <ISCED 5A, second degree> or higher

Variable Name(s): BTBGFEDC

Country	Item ID	Code	Documentation
ARMENIA	TQS2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Secondary general education (10 years) / Uncompleted higher education 3 = Preliminary professional education 4 = Option not administered or data not available 5 = Higher education 6 = Higher professional education or higher
AUSTRALIA	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school or apprenticeship 3 = Option not administered or data not available 4 = TAFE or College diploma or certificate 5 = Bachelor's degree 6 = Post graduate diploma / Master's degree or higher
BAHRAIN	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete one or two years of secondary education / Finished one or two years of secondary education 2 = General or technical secondary education certificate 3 = Vocational or technical courses of the secondary education (two years or less) 4 = Option not administered or data not available 5 = Bachelor's degree 6 = Master's degree or higher
BASQUE CTY, SPAIN	TQS2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Qualified or technical engineer or similar (university 1st degree) 6 = Graduate, high level engineer, doctor or similar (university 2nd degree)
BELGIUM (FLEMISH)	TQS2-04	D	Gang punched to "College education" (Finished ISCED 5B)
BOTSWANA	TQS2-04	D	Nationally defined options: 1 = Did not complete senior secondary 2 = Senior secondary 3 = Vocational/technical training 4 = Diploma 5 = First degree 6 = Master's degree or higher
BULGARIA	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Secondary profile school 4 = Other vocational education 5 = Higher education - Bachelor's degree 6 = Higher education - Master's, PhD

CHILE	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Technical education center 4 = Professional Institute 5 = Higher education (university) 6 = Master's or PhD
CHINESE TAIPEI	TQS2-04	D	Nationally defined options: 1 = Did not complete senior high school, vocational school or equivalent 2 = Teacher school, senior high school, vocational school 3 = Vocational high school 4 = College/junior college of technology 5 = Bachelor's degree 6 = Master's degree or PhD
CYPRUS	TQS2-04	D	Nationally defined options: 1 = Did not complete lyceum 2 = Lyceum 3 = Two-year college 4 = Polytechnic 5 = University 6 = University second degree or Master's degree
EGYPT	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary school certificate (professional education) 4 = Option not administered or data not available 5 = University education 6 = Post university - Master's degree or PhD
ENGLAND	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete A level 2 = A level or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Bachelor's degree or teaching certificate 6 = Master's degree or higher
ESTONIA	TQS2-04	D	Nationally defined options: 1 = Did not finish secondary education 2 = Secondary education 3 = Post secondary vocational education 4 = 3-4 years of university 5 = Bachelor's degree (higher education, 5 years) 6 = Master's degree or PhD
GHANA	TQS2-04	D	Nationally defined options: 1 = Did not complete senior secondary school (compulsory 9 years of basic education) 2 = Senior secondary school, O (ordinary) level, A (advanced) level 3 = 1-2 years post secondary courses (e.g. tourism institute, catering, computer science) 4 = Polytechnic education after senior secondary school for a diploma or higher certificate (2-3 years) 5 = Bachelor's degree 6 = Master's degree or higher
HONG KONG	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Secondary school and vocational training 4 = Secondary education and certificate, diploma or Associate's degree 5 = Bachelor's degree or equivalent 6 = Master's degree or higher
HUNGARY	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Option not administered or data not available 4 = Accredited post secondary vocational program certificate 5 = College education 6 = University education

INDIANA, US	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)
INDONESIA	TQS2-04	D	Nationally defined options: 1 = Did not complete senior secondary high school (upper secondary level) 2 = Senior secondary high school (upper secondary level) 3 = One- or two-year degree program from a college or university 4 = Three- or four-year degree program from a college or university 5 = First degree from a university (Bachelor's degree) 6 = Second degree or higher from a university (post graduate degree)
IRAN, ISLAMIC REP.	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Diploma (high school) 3 = Upper diploma - 2 years after diploma 4 = Technical training (3-4 years) 5 = Bachelor's degree 6 = Master's degree or higher (upper level)
ISRAEL	TQS2-04	D	Nationally defined Options: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary education 4 = Option not administered or data not available 5 = Academic vocational studies (i.e. BEd)/Academic first degree 6 = Academic second degree or higher
ITALY	TQS2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Upper secondary school diploma or certificate for passing final examination of upper secondary school 3 = Post secondary vocational training course 4 = Vocational or technical program of higher education level 5 = Bachelor's degree 6 = Second degree or research degree or higher
JAPAN	TQS2-04	D	Nationally defined options: 1 = Did not complete upper secondary school 2 = Upper secondary school 3 = Junior college (2 years) 4 = Vocational course of college 5 = University 6 = Master's degree or higher (Graduate School)
JORDAN	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary stage 2 = Secondary stage 3 = Community college (2-year program) 4 = Community college (3-year program) 5 = First university degree 6 = Graduate degree
KOREA, REP. OF	TQS2-04	D	Nationally defined options: 1 = Did not complete high school 2 = High school 3 = Job or technical training after graduating high school 4 = Junior college 5 = University (Bachelor's degree) 6 = Graduate school (Master's degree or PhD)
LATVIA	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary or vocational school / Uncompleted higher education 3 = Technical or vocational school after secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor's or Master's degree) 6 = PhD

LEBANON	TQS2-04	X	Question not administered or data not available
LITHUANIA	TQS2-04	D	National options recoded to fit international categories: 1 = Did not finish secondary education 2 = Secondary education 3 = Some post-secondary education but not university (some college) 4 = Option not administered or data not available 5 = Four-year studies or Bachelor's degree 6 = Five-year studies, Master's degree or PhD
MACEDONIA, REP.	TQS2-04	D	Nationally defined options: 1 = Unfinished secondary school 2 = Secondary school 3 = Post secondary school 4 = Two years of university 5 = University 6 = Post university education
MALAYSIA	TQS2-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Secondary education with certificate (not teaching certificate) 4 = Education with diploma (not teaching diploma) 5 = First degree 6 = Higher than first degree
MOLDOVA, REP. OF	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete upper secondary education 2 = Upper secondary education / Incomplete tertiary education 3 = College 4 = Option not administered or data not available 5 = Tertiary education 6 = Master's degree or PhD
MOROCCO	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary education 3 = Option not administered or data not available 4 = General university diploma (2 year post secondary) 5 = First university degree (Bachelor's degree) 6 = Post graduate diploma (2 years after Bachelor's degree or Master's degree) / PhD
NEW ZEALAND	TQS2-04	D	National options recoded to fit international categories: 1 = I do not have a tertiary entry qualification (e.g. UE or Bursary) 2 = Tertiary entry qualification (e.g. UE or Bursary) 3 = Trade, national, or tertiary certificate (e.g. NZCS Level 3-5) 4 = National diploma (e.g. National Diploma in Science L5-6), Diploma (e.g. Diploma of Teaching - Primary) 5 = Bachelor's degree 6 = Bachelor's honours degree, post graduate diploma (e.g. Dip. ORS), Master's degree / PhD
NORWAY	TQS2-04	D	National options recoded to fit international categories: 1 = Primary and lower secondary 2 = Upper secondary 3 = Option not administered or data not available 4 = Teacher college 5 = Candidates' exam lower degree with pedagogy from university 6 = Candidates' exam higher degree with pedagogy from university
ONTARIO, CANADA	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Vocational/technical program or college degree 5 = BA or equivalent 6 = MA or PhD
PALESTINIAN AUTH.	TQS2-04	D	Nationally defined options: 1 = Did not complete general secondary stage certificate 2 = General secondary stage certificate 3 = Two years after school diploma 4 = Three years after school diploma 5 = Bachelor's degree 6 = Master's degree or higher

PHILIPPINES	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education (high school) 3 = Vocational/technical program (1-2 years) 4 = Vocational/technical program (4 years) 5 = Academic Bachelor's degree 6 = Master's degree or higher
QUEBEC, CANADA	TQS2-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Vocational/technical program or college degree 5 = BA or equivalent 6 = MA or PhD
ROMANIA	TQS2-04	D	Nationally defined options: 1 = Did not finish upper secondary school 2 = Upper secondary school 3 = Post secondary school 4 = College 5 = University first degree 6 = Master's degree or PhD
RUSSIAN FED.	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary general education 3 = Secondary professional education 4 = Option not administered or data not available 5 = Higher education, 4 years (Bachelor's) 6 = Higher education, 5-6 years (Master's) / Second higher education or PhD
SAUDI ARABIA	TQS2-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Secondary teacher institute / Elementary teacher institute 3 = Junior (intermediate) teacher college 4 = Option not administered or data not available 5 = University (Bachelor's degree) 6 = Graduate studies / Higher diploma (after university)
SCOTLAND	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete Highers 2 = Highers or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = University degree or teaching certificate 6 = Post graduate degree or higher
SERBIA	TQS2-04	D	Nationally defined options: 1 = Did not finish high school 2 = High school 3 = Vocational secondary school 4 = Higher school (2-year post secondary education) 5 = University 6 = Master's degree, PhD or other academic title or specialization
SINGAPORE	TQS2-04	D	Nationally defined options: 1 = Did not complete JC, Pre-U, Polytechnic education 2 = JC, Pre-U, Polytechnic education 3 = Non-graduate teacher education 4 = University education (vocational/technical) 5 = University education (academic/professional) 6 = Post graduate education (Master's degree or PhD)
SLOVAK REP.	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary education 3 = Post secondary education 4 = Option not administered or data not available 5 = University 6 = PhD

SLOVENIA	TQS2-04	D	National options recoded to fit international categories: 1 = Did not finish secondary school 2 = Secondary school 3 = Vocational courses after secondary education 4 = Option not administered or data not available 5 = Two years university studies 6 = Four years university studies / Master's degree or PhD
SOUTH AFRICA	TQS2-04	D	Nationally defined options: 1 = Did not complete grade 12 2 = Grade 12 3 = Post Matric certificate 4 = Diploma 5 = First degree 6 = Honour's degree or higher
SWEDEN	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete upper secondary school 2 = Upper secondary school 3 = Vocational supplementary education, other than university education 4 = Option not administered or data not available 5 = Degree from undergraduate university education 6 = Master's degree or other higher degree
SYRIAN ARAB REP.	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary school certificate (professional education) 4 = Option not administered or data not available 5 = University education 6 = Post university - Master's degree or PhD
TUNISIA	TQS2-04	D	Nationally defined options: 1 = Did not complete Baccalaureate 2 = Baccalaureate 3 = Baccalaureate plus 2 years of vocational training 4 = Baccalaureate plus 2 years of university studies (DUEL, primary school teacher diploma, etc.) 5 = Baccalaureate plus 4 years of university studies (BA/BS) 6 = Doctorate, Baccalaureate plus 6 years of university studies or higher
UNITED STATES	TQS2-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)

TQS2-05**Question:**

How many years of <pre-service teacher training> did you have? Please round to the nearest whole number

- 1 = 0 years
- 2 = 1 year
- 3 = 2 years
- 4 = 3 years
- 5 = 4 years
- 6 = 5 years
- 7 = More than 5 years

Variable Name(s): BTBGYTTR

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	TQS2-05	X	Question not administered or data not available
EGYPT	TQS2-05	D	National options recoded to fit international categories: 1 = 0 years 2 = 1 year 3 = 2 years 4 = 3 years 5 = 4 years 6 = Option not administered or data not available 7 = Option not administered or data not available
HUNGARY	TQS2-05	X	Question not administered or data not available
ITALY	TQS2-05	X	Question not administered or data not available
LITHUANIA	TQS2-05	X	Question not administered or data not available
NORWAY	TQS2-05	X	Question not administered or data not available
SYRIAN ARAB REP.	TQS2-05	D	National options recoded to fit international categories: 1 = 0 years 2 = 1 year 3 = 2 years 4 = 3 years 5 = 4 years 6 = Option not administered or data not available 7 = Option not administered or data not available

TQS2-06A-1**Question:**

During your <post-secondary> education, was your major or main area(s) of study?

A: Biology

B: Physics

C: Chemistry

D: <Earth Science>

E: Educaiton-Science

F: Mathematics

G: Education-Mathematics

H: Education-General

I: Other

1 = Yes

2 = No

Variable Name(s): BTBSPSBI, BTBSPSPH, BTBSPSCH, BTBSPSES, BTBSPSED, BTBMPSMA, BTBMPSEM, BTBGPSEG, BTBGPSOT

Country	Item ID	Code	Documentation
ARMENIA	TQS2-06D	D	Geography
AUSTRALIA	TQS2-06D	X	Question not administered or data not available
BAHRAIN	TQS2-06D	D	Earth science
BASQUE CTY, SPAIN	TQS2-06D	D	Geology
BELGIUM (FLEMISH)	TQS2-06D	D	Geography
BELGIUM (FLEMISH)	TQS2-06E,G	X	Option not administered or data not available
BOTSWANA	TQS2-06D	D	Earth science
BULGARIA	TQS2-06D	D	Geography
CHILE	TQS2-06D	D	Geography
CHINESE TAIPEI	TQS2-06D	D	Earth science
CYPRUS	TQS2-06D	D	Geography
EGYPT	TQS2-06D	D	Earth science
ENGLAND	TQS2-06D	D	Earth science
ESTONIA	TQS2-06D	D	Geography
GHANA	TQS2-06D	D	Earth science
HONG KONG	TQS2-06D	D	Geography
HUNGARY	TQS2-06D	D	Geography
INDIANA, US	TQS2-06A	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06B	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06C	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06D	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06E	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06F	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No

INDIANA, US	TQS2-06G	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06H	D	Stem of the question changed: Education - Other National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQS2-06I	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDONESIA	TQS2-06D	D	Geography
IRAN, ISLAMIC REP.	TQS2-06D	D	Geography
ISRAEL	TQS2-06D	D	Geography
ITALY	TQS2-06D	D	Geology
ITALY	TQS2-06E	X	Option not administered or data not available
ITALY	TQS2-06G	X	Option not administered or data not available
JAPAN	TQS2-06D	D	Earth science
JORDAN	TQS2-06D	D	Earth science
KOREA, REP. OF	TQS2-06D	D	Earth science
LATVIA	TQS2-06D	X	Option not administered or data not available
LEBANON	TQS2-06D	D	Earth science
LITHUANIA	TQS2-06D	D	Geography
MACEDONIA, REP.	TQS2-06D	D	Geography
MALAYSIA	TQS2-06D	D	Earth science
MOLDOVA, REP. OF	TQS2-06D	D	Geography
MOROCCO	TQS2-06D	D	Geology
NETHERLANDS	TQS2-06D	D	Earth science
NETHERLANDS	TQS2-06F	X	Option not administered or data not available
NEW ZEALAND	TQS2-06D	D	Geology, Physical geography, Earth science
ONTARIO, CANADA	TQS2-06D	D	Earth science
PALESTINIAN AUTH.	TQS2-06D	D	Geology
PHILIPPINES	TQS2-06D	X	Option not administered or data not available
QUEBEC, CANADA	TQS2-06D	D	Earth science
ROMANIA	TQS2-06D	D	Geography
RUSSIAN FED.	TQS2-06D	D	Geography
RUSSIAN FED.	TQS2-06E,H-I	X	Question not administered or data not available
SAUDI ARABIA	TQS2-06D	D	Earth science
SCOTLAND	TQS2-06D	D	Earth science
SERBIA	TQS2-06D	D	Geography
SINGAPORE	TQS2-06D	D	Geography
SLOVAK REP.	TQS2-06A	X	Option not administered or data not available
SLOVAK REP.	TQS2-06D	D	Earth science
SLOVENIA	TQS2-06D	D	Geography
SOUTH AFRICA	TQS2-06A-C	D	Stem of the question changed: During your certificate, diploma or degree education, what was your major or main area(s) of study?

SOUTH AFRICA	TQS2-06D	D	Stem of the question changed: During your certificate, diploma or degree education, what was your major or main area(s) of study?
			Earth or environmental science
SOUTH AFRICA	TQS2-06E-I	D	Stem of the question changed: During your certificate, diploma or degree education, what was your major or main area(s) of study?
SWEDEN	TQS2-06D	D	Geography, Geoscience
SYRIAN ARAB REP.	TQS2-06D	D	Geology
TUNISIA	TQS2-06D	D	Earth science
UNITED STATES	TQS2-06A	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06B	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06C	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06D	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06E	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06F	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06G	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06H	D	Stem of the question changed: Education - Other National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQS2-06I	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No

TQS2-07A-E**Question:**

What requirements did you have to satisfy in order to become a science teacher at <grade 8>?

A: Complete <ISCED 5A, first degree>

B: Complete a probationary period

C: Complete a minimum number of education courses

D: Complete a minimum number of science courses

E: Pass a licensing examination

1 = Yes

2 = No

Variable Name(s): BTBSRB5A, BTBSRBPP, BTBSRBEC, BTBSRBSC, BTBSRBLE

Country	Item ID	Code	Documentation
ARMENIA	TQS2-07A	D	Higher education
AUSTRALIA	TQS2-07A	D	Bachelor's degree
BAHRAIN	TQS2-07A	D	Bachelor's degree
BASQUE CTY, SPAIN	TQS2-07A	D	University 1st degree
BELGIUM (FLEMISH)	TQS2-07A-E	X	Question not administered or data not available
BOTSWANA	TQS2-07A	D	Diploma or first degree
BULGARIA	TQS2-07A	D	Higher education (Bachelor's degree)
CHILE	TQS2-07A	D	Higher education (university)
CHINESE TAIPEI	TQS2-07A	D	Bachelor's degree
CYPRUS	TQS2-07A	D	University degree
EGYPT	TQS2-07A	D	University education
ENGLAND	TQS2-07A-E	X	Question not administered or data not available
ESTONIA	TQS2-07A	D	Bachelor's degree
GHANA	TQS2-07A	D	Bachelor's degree
HONG KONG	TQS2-07A	D	Bachelor's degree
HUNGARY	TQS2-07A	D	University or college
HUNGARY	TQS2-07B	X	Option not administered or data not available
HUNGARY	TQS2-07E	X	Option not administered or data not available
INDIANA, US	TQS2-07A	D	Bachelor's degree
INDONESIA	TQS2-07A	D	First degree from a university (Bachelor's degree)
IRAN, ISLAMIC REP.	TQS2-07A	D	Bachelor's degree
ITALY	TQS2-07A	D	Bachelor's degree
ITALY	TQS2-07B	D	To teach some years
JAPAN	TQS2-07A	D	University
JORDAN	TQS2-07A	D	First university degree
KOREA, REP. OF	TQS2-07A	D	University education
LATVIA	TQS2-07A	D	Higher education (Bachelor's or Master's degree)
LATVIA	TQS2-07E	X	Option not administered or data not available
LEBANON	TQS2-07A	D	Bachelor's degree or equivalent
LITHUANIA	TQS2-07A-E	X	Question not administered or data not available
MACEDONIA, REP.	TQS2-07A	D	Finished two years of university or finished university
MALAYSIA	TQS2-07A	D	First degree
MOLDOVA, REP. OF	TQS2-07A	D	Tertiary education

MOROCCO	TQS2-07A-E	X	Option not administered or data not available
NETHERLANDS	TQS2-07A-E	X	Question not administered or data not available
NEW ZEALAND	TQS2-07A	D	Bachelor's degree
NORWAY	TQS2-07A-E	X	Question not administered or data not available
ONTARIO, CANADA	TQS2-07A	D	Bachelor's degree
PALESTINIAN AUTH.	TQS2-07A	D	Bachelor's degree
PHILIPPINES	TQS2-07A	D	Academic Bachelor's degree
QUEBEC, CANADA	TQS2-07A	D	Bachelor's degree
ROMANIA	TQS2-07A	D	University first degree
RUSSIAN FED.	TQS2-07A	D	University
RUSSIAN FED.	TQS2-07C-E	X	Question not administered or data not available
SAUDI ARABIA	TQS2-07A	D	University (Bachelor's Degree)
SCOTLAND	TQS2-07A-E	X	Question not administered or data not available
SERBIA	TQS2-07A	D	University
SINGAPORE	TQS2-07A	D	University education
SINGAPORE	TQS2-07E	D	Gang punched to "No"
SLOVAK REP.	TQS2-07A	D	Bachelor's degree (4 years)
SLOVENIA	TQS2-07A	D	University
SOUTH AFRICA	TQS2-07A	D	First degree
SWEDEN	TQS2-07A	D	First degree from university or university college
SWEDEN	TQS2-07E	X	Option not administered or data not available
SYRIAN ARAB REP.	TQS2-07A	D	University education
TUNISIA	TQS2-07A	D	BA/BS (Baccalaureate plus 4 years of university studies)
UNITED STATES	TQS2-07A	D	Bachelor's degree

TQS2-08A-B**Question:**

A: Do you have a teaching license or certificate?

1 = Yes

2 = No

B: What type of license or certificate do you hold?

1 = <Full certificate>

2 = <Provisional certificate>

3 = <Emergency certificate>

4 = Other

Variable Name(s): BTBGTLC, BTBGTELC

Country	Item ID	Code	Documentation
ARMENIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Diploma of higher education / Diploma of preliminary professional education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
AUSTRALIA	TQS2-08A	D	Stem of the question changed: Do you have a teaching registration or approval to teach from a government education department?
AUSTRALIA	TQS2-08B	D	Stem of the question changed: What type of registration do you hold? Nationally defined options: 1 = Full registration/approval 2 = Provisional registration/approval 3 = Emergency registration/approval 4 = Other
BAHRAIN	TQS2-08B	D	National options recoded to fit international categories: 1 = Educational academic certificate / Academic certificate 2 = Teacher's diploma certificate 3 = Option not administered or data not available 4 = Other
BASQUE CTY, SPAIN	TQS2-08A-B	X	Question not administered or data not available
BELGIUM (FLEMISH)	TQS2-08A-B	X	Question not administered or data not available
BOTSWANA	TQS2-08B	D	National options recoded to fit international categories: 1 = Diploma in secondary education / Post graduate diploma in education / Bachelor of education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
BULGARIA	TQS2-08B	X	Question not administered or data not available
CHILE	TQS2-08B	D	National options recoded to fit international categories: 1 = Certificate with secondary education / Certificate with university education for primary grades / Certificate with university education for all grades 2 = Option not administered or data not available 3 = Recognized state teacher 4 = Other
CHINESE TAIPEI	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
CYPRUS	TQS2-08A-B	X	Question not administered or data not available

EGYPT	TQS2-08B	D	National options recoded to fit international categories: 1 = University (diploma from faculty of teachers) / University without teacher education 2 = Two years after secondary school certificate 3 = Option not administered or data not available 4 = Other
ENGLAND	TQS2-08A-B	X	Question not administered or data not available
ESTONIA	TQS2-08B	D	Nationally defined options: 1 = Qualified teacher (university degree in pedagogy) 2 = Unfinished teachers' studies 3 = Replacement teacher 4 = Other
GHANA	TQS2-08B	D	National options recoded to fit international categories: 1 = 3 years post sec 2 = 2 years post sec / Post B cert A 3 = Option not administered or data not available 4 = Other
HONG KONG	TQS2-08B	D	Nationally defined options: 1 = Registered teacher 2 = Permitted teacher 3 = Option not administered or data not available 4 = Other
HUNGARY	TQS2-08A-B	X	Question not administered or data not available
INDIANA, US	TQS2-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available
INDONESIA	TQS2-08B	D	Nationally defined options: 1 = Teaching certificate 2 = Provisional certificate 3 = Special certificate(eg.teacher education course) 4 = Other
IRAN, ISLAMIC REP.	TQS2-08B	D	National options recoded to fit international categories: 1 = Certificate from a university (special teacher studies and training) / Certificate from a teacher training center 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
ISRAEL	TQS2-08B	D	Nationally defined Options: 1 = Did not complete secondary school 2 = Secondary school 3 = Two years after secondary education 4 = Academic vocational studies (i.e. BEd) 5 = Academic first degree 6 = Academic second degree or higher
ITALY	TQS2-08B	X	Question not administered or data not available
JAPAN	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
JORDAN	TQS2-08B	D	National options recoded to fit international categories: 1 = Full certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
KOREA, REP. OF	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other

LATVIA	TQS2-08A-B	X	Question not administered or data not available
LEBANON	TQS2-08B	D	National options recoded to fit international categories: 1 = Normal school / Normal school - middle cycle / Aptitude certification for secondary level teaching (CAPES) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
LITHUANIA	TQS2-08A	D	Stem of the question changed: What is your qualification category? National options recoded to fit international categories: 1 = Teacher / Senior teacher / Teacher - methodologist / Expert teacher 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available
LITHUANIA	TQS2-08B	X	Question not administered or data not available
MACEDONIA, REP.	TQS2-08B	X	Question not administered or data not available
MALAYSIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Teaching certificate or diploma after degree / Malaysian teaching diploma / Teaching certificate (teacher training college) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
MOLDOVA, REP. OF	TQS2-08B	D	Nationally defined options: 1 = Higher education 2 = Secondary vocational education 3 = Secondary education (Bachelor's) 4 = Other
MOROCCO	TQS2-08B	X	Question not administered or data not available
NETHERLANDS	TQS2-08A-B	X	Question not administered or data not available
NEW ZEALAND	TQS2-08B	D	National options recoded to international categories: 1 = Full registration / Registration subject to confirmation 2 = Provisional registration 3 = Option not administered or data not available 4 = Other (e.g. limited authority)
NORWAY	TQS2-08B	X	Question not administered or data not available
ONTARIO, CANADA	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
PALESTINIAN AUTH.	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
PHILIPPINES	TQS2-08B	D	National options recoded to fit international categories: 1 = Philippine Board Examination for Teachers (PBET) / Licensure Examination for Teachers (LET) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
QUEBEC, CANADA	TQS2-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
ROMANIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Teacher certificate obtained after at least 2 years of teaching / Rank 2 teaching certificate / Rank 1 teaching certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other

RUSSIAN FED.	TQS2-08B	D	Nationally defined options: 1 = Diploma 2 = Provisional certificate 3 = Emergency certificate for a short period of time 4 = Other
SAUDI ARABIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Bachelor's degree (educational) / Bachelor's degree (non-educational) / Teacher's Diploma 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
SCOTLAND	TQS2-08A-B	X	Question not administered or data not available
SERBIA	TQS2-08B	D	Nationally defined options: 1 = Graduation certificate and the state exam 2 = Graduation certificate without the state exam 3 = Absolvent 4 = Other
SINGAPORE	TQS2-08B	D	Gang punched to "Full certificate"
SLOVAK REP.	TQS2-08B	D	Nationally defined options: 1 = Full university degree - teacher qualification 2 = University degree 3 = Supplementary teacher course 4 = Other
SLOVENIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Full certificate for a subject you are teaching 2 = Option not administered or data not available 3 = Certificate for a subject other than a subject you are teaching / Uncompleted certificate (still studying) 4 = Other
SOUTH AFRICA	TQS2-08B	D	Stem of the question changed: What type of diploma do you hold? National options recoded to fit international categories: 1 = Post graduate higher diploma of education / Higher diploma of education / Provincial diploma of education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
SWEDEN	TQS2-08A	D	Stem of the question changed: Have you completed teacher training?
SWEDEN	TQS2-08B	X	Question not administered or data not available
SYRIAN ARAB REP.	TQS2-08B	D	National options recoded to fit international categories: 1 = University (diploma from faculty of teachers) / University without teacher education / Two years after secondary school certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
TUNISIA	TQS2-08B	D	National options recoded to fit international categories: 1 = Equivalent of the end of the second cycle of university studies (4 years) / Equivalent of the end of the first cycle of university studies (2 years) 2 = Option not administered or data not available 3 = Less than the above 4 = Other
UNITED STATES	TQS2-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available

TQS2-09AA-AE**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach Biology at the <eight> grade?

A: Major organs and organ systems in humans and other organisms (structure/function, life processes that maintain stable bodily conditions)

B: Cells and their functions, including respiration and photosynthesis as cellular processes

C: Reproduction (sexual and asexual) and heredity (passing on of traits, inherited versus acquired/learned characteristics)

D: Role of variation and adaptation in survival/extinction of species in a changing environment

E: Interaction of living organisms and the physical environment in an ecosystem (energy flow, food webs, effect of changes, cycling of materials)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBSFR01, BTBSFR02, BTBSFR03, BTBSFR04, BTBSFR05

Country	Item ID	Code	Documentation
ENGLAND	TQS2-09AA-AE	X	Question not administered or data not available
LATVIA	TQS2-09AA-AE	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-09AA-AE	X	Question not administered or data not available

TQS2-09BA-BE**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach Chemistry at the <eight> grade?

A: Classification and composition of matter (characteristics of elements, compounds, mixtures)

B: Particulate structure of matter (molecules, atoms, protons, neutrons, and electrons)

C: Properties of solutions (solvent, solute, concentration/dilution, effect of temperature on solubility)

D: Properties and uses of common acids and bases

E: Chemical change (transformation of reactants, evidence of chemical change, conservation of matter, common oxidation reactions - combustion and rusting)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBSFR06, BTBSFR07, BTBSFR08, BTBSFR09, BTBSFR10

Country	Item ID	Code	Documentation
ENGLAND	TQS2-09BA-BE	X	Question not administered or data not available
LATVIA	TQS2-09BA-BE	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-09BA-BE	X	Question not administered or data not available

TQS2-09CA-CE**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach Physics at the <eight> grade?

A: Physical states and changes in matter (explanations of properties in terms of movement/distance between particles; phase change by supplying/removing heat/energy, thermal expansion and changes in volume and/or pressure)

B: Energy types, sources, and conversions, including heat transfer

C: Basic properties/behaviors of light (reflection, refraction, light and color, simple ray diagrams) and sound (production by vibration, transmission through media, relative speed of light and sound)

D: Electric circuits (flow of current; types of circuits - opened/closed and parallel/series; current/voltage relationship)

E: Forces and motion (types of forces, basic description of motion, use of distance/time graphs, effects of density and pressure)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBSFR11, BTBSFR12, BTBSFR13, BTBSFR14, BTBSFR15

Country	Item ID	Code	Documentation
ENGLAND	TQS2-09CA-CE	X	Question not administered or data not available
LATVIA	TQS2-09CA-CE	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-09CA-CE	X	Question not administered or data not available

TQS2-09DA-DC**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach Earth Science at the <eight> grade?

A: Earth's structure and physical features (earth's crust, mantle and core; use of topographic maps)

B: Earth's processes, cycles and history (rock cycle; water cycle; weather patterns; major geological events; formation of fossils and fossil fuels)

C: Earth in the solar system and the universe (phenomena on earth - day/night, tides, phases of moon, eclipses, seasons; physical features of earth compared to other bodies; the sun as a star)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBSFR16, BTBSFR17, BTBSFR18

Country	Item ID	Code	Documentation
ENGLAND	TQS2-09DA-DC	X	Question not administered or data not available
LATVIA	TQS2-09DA-DC	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-09DA-DC	X	Question not administered or data not available

TQS2-09EA-EC**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to Environmental Science topics at the <eight> grade?

A: Trends in human population and its effects on the environment

B: Use and conservation of earth's natural resources (renewable/non-renewable resources, human use of land/soil and water resources)

C: Changes in environments (role of human activity, global environmental concerns, impact of natural hazards)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): BTBSFR19, BTBSFR20, BTBSFR21

Country	Item ID	Code	Documentation
ENGLAND	TQS2-09EA-EC	X	Question not administered or data not available
LATVIA	TQS2-09EA-EC	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-09EA-EC	X	Question not administered or data not available

TQS2-10A**Question:**

In one typical calendar week from Monday to Sunday, what is the total number of single periods for which you are formally scheduled? Count a double period as two periods.

Variable Name(s): BTBGWTNP

Country	Item ID	Code	Documentation
MACEDONIA, REP.	TQS2-10A	X	Question not administered or data not available
RUSSIAN FED.	TQS2-10A	D	Teach general science
SWEDEN	TQS2-10A	D	Stem of the question changed: In one typical calendar week from Monday to Sunday, what is the the total number of single periods (60 minutes) for which you are formally scheduled?

TQS2-10BA-BJ**Question:**

Of these formally scheduled periods, how many are you assigned to do each of the following?

A: Teach <general> science

B: Teach physical science

C: Teach physics

D: Teach chemistry

E: Teach life science/biology

F: Teach earth science

G: Teach mathematics

H: Teach other subjects

I: Perform other duties

Total

Variable Name(s): BTBSSPTS, BTBSSPPS, BTBSSPTP, BTBSSPTC, BTBSSPTB, BTBSSPTE, BTBMSPTM, BTBGSPTO, BTBGSPOD, BTBGSPTT

Country	Item ID	Code	Documentation
ARMENIA	TQS2-10BA	X	Option not administered or data not available
ARMENIA	TQS2-10BB	X	Option not administered or data not available
AUSTRALIA	TQS2-10BA	D	Teach general science
BAHRAIN	TQS2-10BA	D	Teach general science
BASQUE CTY, SPAIN	TQS2-10BA	D	Teach general science
BASQUE CTY, SPAIN	TQS2-10BB	X	Option not administered or data not available
BELGIUM (FLEMISH)	TQS2-10BA	D	Teach natural science
BELGIUM (FLEMISH)	TQS2-10BB	D	Teach scientific work
BOTSWANA	TQS2-10BA	D	Teach general science
BULGARIA	TQS2-10BA	X	Option not administered or data not available
BULGARIA	TQS2-10BB	X	Option not administered or data not available
CHILE	TQS2-10BA	D	Teach science
CHINESE TAIPEI	TQS2-10BA	D	Teach general science
CYPRUS	TQS2-10BA	D	Teach general science
EGYPT	TQS2-10BA	D	Teach general science
EGYPT	TQS2-10BB	D	Teach natural science
ENGLAND	TQS2-10BA	D	Teach general science
ESTONIA	TQS2-10BA	D	Teach general science
ESTONIA	TQS2-10BB	X	Option not administered or data not available
GHANA	TQS2-10BA	D	Teach general science
HONG KONG	TQS2-10BA	D	Teach integrated science
HUNGARY	TQS2-10BA	D	Teach integrated science
HUNGARY	TQS2-10BB	X	Option not administered or data not available
INDIANA, US	TQS2-10BA	D	Teach general science
INDONESIA	TQS2-10BA	D	Teach general science
INDONESIA	TQS2-10BB	X	Option not administered or data not available
IRAN, ISLAMIC REP.	TQS2-10BA	D	Teach general science
ISRAEL	TQS2-10BA	D	Teach general science
ITALY	TQS2-10BB-BF	X	Option not administered or data not available
JAPAN	TQS2-10BA	D	Teach integrated science
JORDAN	TQS2-10BA	D	Teach general science

KOREA, REP. OF	TQS2-10BA	D	Teach general science
KOREA, REP. OF	TQS2-10BB-BF	X	Option not administered or data not available
LATVIA	TQS2-10BA	D	Teach general science
LATVIA	TQS2-10BF	X	Option not administered or data not available
LEBANON	TQS2-10BA	X	Option not administered or data not available
LEBANON	TQS2-10BB	X	Option not administered or data not available
LEBANON	TQS2-10BE	D	Teach life and earth science
LEBANON	TQS2-10BF	X	Option not administered or data not available
LITHUANIA	TQS2-10BA-BB	X	Question not administered or data not available
MACEDONIA, REP.	TQS2-10BA	D	Teach general science
MALAYSIA	TQS2-10BA	D	Teach science
MOLDOVA, REP. OF	TQS2-10BA	D	Teach general science
MOROCCO	TQS2-10BA	D	Teach science
NETHERLANDS	TQS2-10BA	D	Teach general science
NEW ZEALAND	TQS2-10BA	D	Teach general science
NORWAY	TQS2-10BB-BF	X	Option not administered or data not available
ONTARIO, CANADA	TQS2-10BA	D	Teach general science
PALESTINIAN AUTH.	TQS2-10BA	D	Teach general science
PHILIPPINES	TQS2-10BA	D	Teach general science
PHILIPPINES	TQS2-10BB	X	Option not administered or data not available
PHILIPPINES	TQS2-10BF	X	Option not administered or data not available
QUEBEC, CANADA	TQS2-10BA	D	Teach general science
ROMANIA	TQS2-10BA	D	Teach integrated science
SAUDI ARABIA	TQS2-10BA	D	Teach general science (integrated)
SCOTLAND	TQS2-10BA	D	Teach general science
SERBIA	TQS2-10BA	D	Teach natural science
SERBIA	TQS2-10BB	D	Teach some parts of physics
SINGAPORE	TQS2-10BA	D	Teach general science
SLOVAK REP.	TQS2-10BA	D	Teach general science
SLOVENIA	TQS2-10BA	D	Teach general science
SLOVENIA	TQS2-10BB	X	Option not administered or data not available
SOUTH AFRICA	TQS2-10BA	D	Teach natural science
SWEDEN	TQS2-10BA	D	Stem of the question changed: How many of these periods (60 minutes) are you scheduled to do each of the following? Teach science subjects
SWEDEN	TQS2-10BB	X	Option not administered or data not available
SWEDEN	TQS2-10BC-BJ	D	Stem of the question changed: How many of these periods (60 minutes) are you scheduled to do each of the following?
SYRIAN ARAB REP.	TQS2-10BA	D	Teach general science
SYRIAN ARAB REP.	TQS2-10BB	D	Teach natural science
TUNISIA	TQS2-10BA	D	Teach general science
UNITED STATES	TQS2-10BA	D	Teach general science

TQS2-10C**Question:**

How many minutes are in a typical single period?

Variable Name(s): BTBGMITY

Country	Item ID	Code	Documentation
LITHUANIA	TQS2-10C	D	Gang punched to "45"
SWEDEN	TQS2-10C	X	Question not administered or data not available

TQS2-16A-H**Question:**

How would you characterize each of the following within your school?

A: Teachers' job satisfaction

B: Teachers' understanding of the school's curricular goals

C: Teachers' degree of success in implementing the school's curriculum

D: Teachers' expectations for student achievement

E: Parental support for student achievement

F: Parental involvement in school activities

G: Students' regard for school property

H: Students' desire to do well in school

1 = Very high

2 = High

3 = Medium

4 = Low

5 = Very low

Variable Name(s): BTBGCHTS, BTBGCHTU, BTBGCHTC, BTBGCHES, BTBGCHPS, BTBGCHPI, BTBGCHSR, BTBGCHSD

Country	Item ID	Code	Documentation
SYRIAN ARAB REP.	TQS2-16E	X	Option not administered or data not available
SYRIAN ARAB REP.	TQS2-16F	X	Option not administered or data not available

TQS2-19A-B**Question:**

A: Do you use a textbook(s) in teaching science to the TIMSS class?

1 = Yes

2 = No

B: How do you use a textbook(s) in teaching science to the TIMSS class?

1 = As the primary basis for my lessons

2 = As a supplementary resource

Variable Name(s): BTBSTBTC, BTBSTXBU

Country	Item ID	Code	Documentation
LITHUANIA	TQS2-19A	D	Stem of the question changed: Please indicate the percentage of use of the following teaching materials in teaching science to the TIMSS class? a) Textbook1 b) Textbook2 c) Textbook3 d) Textbook4 e) Textbook5 f) Textbook6 g) Textbook7 h) Textbook8 i) Textbook9 j) Textbook10 National options recoded to fit international question.
LITHUANIA	TQS2-19B	D	Stem of the question changed: Please indicate the percentage of use of the following teaching materials in teaching science to the TIMSS class? a) Textbook1 b) Textbook2 c) Textbook3 d) Textbook4 e) Textbook5 f) Textbook6 g) Textbook7 h) Textbook8 i) Textbook9 j) Textbook10 National options recoded to fit international question.
SINGAPORE	TQS2-19A	D	Gang punched to "Yes"

TQS2-23A-F**Question:**

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on on each of the following science content areas for the TIMSS class?

A: Life science (e.g., types, characteristics, and classification of living things; structure/function and life processes in organisms; cells and their functions; development, reproduction and heredity; diversity, adaptation and natural selection; ecosystems; and human health)

B: Chemistry (e.g., classification, composition and particulate structure of matter; properties and uses of water; acids and bases; and chemical change)

C: Physics (e.g., physical states and changes in matter; energy types, sources and conversions; heat and temperature; light; sound and vibration; electricity and magnetism; forces and motion)

D: Earth science (e.g., Earth's structure and physical features; Earth's processes, cycles and history; the solar system and universe)

E: Environmental science (e.g., changes in population; use and conservation of natural resources; and changes in environments)

F: Other

Variable Name(s): BTBSCCLSC, BTBSCCHE, BTBSCPHY, BTBSCESC, BTBSCENS, BTBSCOTH

Country	Item ID	Code	Documentation
ENGLAND	TQS2-23A-F	X	Question not administered or data not available
LATVIA	TQS2-23A-F	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-23A-F	X	Question not administered or data not available
SCOTLAND	TQS2-23A-F	X	Question not administered or data not available

TQS2-24AA-AL**Question:**

When have students in the TIMSS class been taught the following Biology topics?

A: Classification of organisms on the basis of a variety of physical and behavioral characteristics

B: The major organ systems in humans and other organisms

C: How the systems function to maintain stable bodily conditions

D: Cell structures and functions

E: Photosynthesis and respiration as processes of cells and organisms, including substances used and produced

F: Life cycles of organisms, including humans, plants, birds, insects

G: Reproduction (sexual and asexual), and heredity (passing on of traits), inherited versus acquired/learned characteristics

H: The role of variation and adaptation in survival/extinction of species in a changing environment

I: The interaction of living organisms in an ecosystem (energy flow, food chains and food webs, food pyramids, and the effects of change upon the system)

J: Cycling of materials in nature (water, carbon/oxygen cycle, decomposition of organisms)

K: Causes of common infectious diseases, methods of infection/transmission, prevention, and the body's natural resistance and healing capabilities

L: Preventive medicine methods (diet, hygiene, exercise and lifestyle)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBSTO01, BTBSTO02, BTBSTO03, BTBSTO04, BTBSTO05, BTBSTO06, BTBSTO07, BTBSTO08, BTBSTO09, BTBSTO10, BTBSTO11, BTBSTO12

Country	Item ID	Code	Documentation
LATVIA	TQS2-24AA-AL	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-24AA-AL	X	Question not administered or data not available

TQS2-24BA-BH**Question:**

When have students in the TIMSS class been taught the following Chemistry topics?

A: Classification and composition of matter (physical and chemical characteristics, pure substances and mixtures, separation techniques)

B: Properties of solutions (solvents, solutes, effects of temperature on solubility)

C: Particulate structure of matter (molecules, atoms, protons, neutrons, and electrons)

D: Properties and uses of water (composition, melting/boiling points, changes in density/volume)

E: The properties and uses of common acids and bases

F: Chemical change (transformation of reactants, evidence of chemical change, conservation of matter)

G: The need for oxygen in common oxidation reactions (combustion, rustin) and the relative tendency of familiar substances to undergo these reactions

H: Classification of familiar chemical transformations as releasing or absorbing heat/energy

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBSTO13, BTBSTO14, BTBSTO15, BTBSTO16, BTBSTO17, BTBSTO18, BTBSTO19, BTBSTO20

Country	Item ID	Code	Documentation
LATVIA	TQS2-24BA-BH	D	Data available only for Latvian questionnaires
NORWAY	TQS2-24BE	X	Question not administered or data not available
RUSSIAN FED.	TQS2-24BA-BH	X	Question not administered or data not available

TQS2-24CA-CJ**Question:**

When have students in the TIMSS class been taught the following Physics topics?

A: Physical states and changes in matter (explanations of properties including volume, shape, density, and compressibility in terms of movement/distance between particles)

B: The processes of melting, freezing, evaporation and condensation (phase change by supplying/removing heat; melting/boiling points; effects of pressure and purity of substances)

C: Energy types, sources, and conversions, including heat transfer

D: Thermal expansion and changes in volume and/or pressure

E: Basic properties/behavior of light (reflection, refraction, light and color, simple ray diagrams)

F: Properties of sound (production by vibration, transmission through media, ways of describing sound (intensity, pitch), relative speed)

G: Electric circuits (flow of current, types of circuits - open/closed, parallel/series) and relationship between voltage and current

H: Properties of permanent magnets and electromagnets

I: Forces and motion (types of forces, basic description of motion), use of distance/time graphs

J: Effects of density and pressure

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBSTO21, BTBSTO22, BTBSTO23, BTBSTO24, BTBSTO25, BTBSTO26, BTBSTO27, BTBSTO28, BTBSTO29, BTBSTO30

Country	Item ID	Code	Documentation
LATVIA	TQS2-24CA-CJ	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-24CA-CJ	X	Question not administered or data not available

TQS2-24DA-DK**Question:**

When have students in the TIMSS class been taught the following Earth Science topics?

A: Earth's structure and physical features (Earth's crust, mantle, and core; topographic maps)
B: The physical state, movement, composition, and relative distribution of water on the Earth
C: The Earth's atmosphere and the relative abundance of its main components
D: Earth's water cycle (steps, role of sun's energy, circulation/renewal of fresh water)
E: Processes in the rock cycle and the formation of igneous, metamorphic, and sedimentary rock
F: Weather data/maps, and changes in weather patterns (e.g., seasonal changes, effects of latitude, altitude and geography)
G: Geological processes occurring over billions of years (e.g., erosion, mountain building, plate movement)
H: Formation of fossils and fossil fuels
I: Explanation of phenomena on Earth based on position/movement of bodies in the solar system and universe (e.g., day/night, tides, year, phases of the moon, eclipses, seasons, appearance of sun, moon, planets, and constellations)
J: The physical features of Earth compared with the moon and other planets (e.g., atmosphere, temperature, water, distance from sun, period of revolution/rotation, ability to support life)
K: The sun as a star
 1 = Mostly taught before this year
 2 = Mostly taught this year
 3 = Not yet taught or just introduced

Variable Name(s): BTBSTO31, BTBSTO32, BTBSTO33, BTBSTO34, BTBSTO35, BTBSTO36, BTBSTO37, BTBSTO38, BTBSTO39, BTBSTO40, BTBSTO41

Country	Item ID	Code	Documentation
LATVIA	TQS2-24DA-DK	D	Data available only for Latvian questionnaires
ONTARIO, CANADA	TQS2-24DG	D	Data available only for English questionnaires
QUEBEC, CANADA	TQS2-24DG	D	Data available only for English questionnaires
RUSSIAN FED.	TQS2-24DA-DK	X	Question not administered or data not available

TQS2-24EA-EC**Question:**

When have students in the TIMSS class been taught the following Environmental Science topics?

A: Trends in human population and its effects on the environment
B: Use and conservation of natural resources (renewable/non-renewable resources, human use of land/soil and water resources)
C: Changes in environments (role of human activity, effects/prevention of pollution, global environmental concerns, impact of natural hazards)
 1 = Mostly taught before this year
 2 = Mostly taught this year
 3 = Not yet taught or just introduced

Variable Name(s): BTBSTO42, BTBSTO43, BTBSTO44

Country	Item ID	Code	Documentation
LATVIA	TQS2-24EA-EC	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQS2-24EA-EC	X	Question not administered or data not available

TQS2-25A-B**Question:**

A: Do students in the TIMSS class have computers available to use during their science lessons?

1 = Yes

2 = No

B: Do any of the computers have access to the Internet?

1 = Yes

2 = No

Variable Name(s): BTBSCOMA, BTBSINTA

Country	Item ID	Code	Documentation
EGYPT	TQS2-25A-B	X	Question not administered or data not available

TQS2-26A-E**Question:**

In teaching science to the TIMSS class, how often do you have students use a computer for the following activities?

A: Do scientific procedures or experiments

B: Study natural phenomena through simulations

C: Practice skills and procedures

D: Look up ideas and information

E: Process and analyze data

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

Variable Name(s): BTBSCAPE, BTBSCANP, BTBSCASP, BTBSCALI, BTBSCAPA

Country	Item ID	Code	Documentation
EGYPT	TQS2-26A-E	X	Question not administered or data not available
MOROCCO	TQS2-26A-B	X	Option not administered or data not available

TQS2-32**Question:**

How often do you give a science test or examination to the TIMSS class?

1 = About once a week

2 = About every two weeks

3 = About once a month

4 = A few times a year

5 = Never

Variable Name(s): BTBSTEEX

Country	Item ID	Code	Documentation
LEBANON	TQS2-32	D	Data available only for English questionnaires

TQS2-33**Question:**

What item formats do you typically use in your science tests or examinations?

1 = Only constructed-response

2 = Mostly constructed-response

3 = About half constructed-response and half objective (e.g., multiple-choice)

4 = Mostly objective

5 = Only objective

Variable Name(s): BTBSWFTU

Country	Item ID	Code	Documentation
ONTARIO, CANADA	TQS2-33	D	Data available only for English questionnaires
QUEBEC, CANADA	TQS2-33	D	Data available only for English questionnaires

ITCOURSE**Question:**

TYPE OF COURSE

Variable Name(s): ITCOURSE

Country	Item ID	Code	Documentation
ARMENIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
AUSTRALIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BAHRAIN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BASQUE CTY, SPAIN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BELGIUM (FLEMISH)	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 5 = Earth Science 11 = Natural science 12 = Scientific work
BOTSWANA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
BULGARIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
CHILE	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
CHINESE TAIPEI	ITCOURSE	D	1 = Mathematics 8 = Physical Science (Physics/Chemistry)
CYPRUS	ITCOURSE	D	1 = Mathematics 2 = Physics 4 = Chemistry 5 = Geography
EGYPT	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ENGLAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ESTONIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
GHANA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
HONG KONG	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
HUNGARY	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography

INDIANA, US	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
INDONESIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology
IRAN, ISLAMIC REP.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ISRAEL	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Earth Science 6 = Integrated Science
ITALY	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
JAPAN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
JORDAN	ITCOURSE	D	1 = Mathematics 6 = Integrated science
KOREA, REP. OF	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
LATVIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry
LEBANON	ITCOURSE	D	1 = Mathematics 2 = Physics 4 = Chemistry 6 = Integrated Science 9 = Life and Earth Science
LITHUANIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
MACEDONIA, REP.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
MALAYSIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
MOLDOVA, REP. OF	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Earth Science 9 = Life Science (Biology/Earth Science) 10 = Biology/Chemistry
MOROCCO	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 8 = Physical Science (Physics/Chemistry) 9 = Life Science (Biology/Earth Science)
NETHERLANDS	ITCOURSE	D	1 = Mathematics 3 = Biology 5 = Geography 8 = Physical Science (Physics/Chemistry)
NEW ZEALAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
NORWAY	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ONTARIO, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science

PALESTINIAN AUTH.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
PHILIPPINES	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
QUEBEC, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
ROMANIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
RUSSIAN FED.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SAUDI ARABIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SCOTLAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SERBIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SINGAPORE	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SLOVAK REP.	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography
SLOVENIA	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry
SOUTH AFRICA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
SWEDEN	ITCOURSE	D	1 = Mathematics 2 = Physics 3 = Biology 4 = Chemistry 5 = Geography 6 = Integrated Science
SYRIAN ARAB REP.	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
TUNISIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
UNITED STATES	ITCOURSE	D	1 = Mathematics 6 = Integrated Science

Section 4

Eighth Grade – School Questionnaire

Section 4: Eighth Grade - School Questionnaire

SCQ2-01A-B

Question:

What are the lowest and the highest grade levels in your school?

A: Lowest Grade

B: Highest Grade

1 = Kindergarten

2 = 1

3 = 2

4 = 3

5 = 4

6 = 5

7 = 6

8 = 7

9 = 8

10 = 9

11 = 10

12 = 11

13 = 12

14 = 13

Variable Name(s): BCBGLOWG, BCBGHIGG

Country	Item ID	Code	Documentation
BASQUE CTY, SPAIN	SCQ2-01A-B	D	National options recoded to fit international categories 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
BELGIUM (FLEMISH)	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = Grade 7 9 = Grade 8 10 = Grade 9 11 = Grade 10 12 = Grade 11 13 = Grade 12 14 = Grade 13
BOTSWANA	SCQ2-01A	X	Question not administered or data not available

BOTSWANA	SCQ2-01B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = Option not administered or data not available 9 = Form 1 (grade 8) 10 = Form 2 (grade 9) 11 = Form 3 (grade 10) 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available
CHILE	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = Preschool 2 = Primary grade 1 3 = Primary grade 2 4 = Primary grade 3 5 = Primary grade 4 6 = Primary grade 5 7 = Primary grade 6 8 = Primary grade 7 9 = Primary grade 8 10 = Secondary grade 1 11 = Secondary grade 2 12 = Secondary grade 3 HC / Secondary grade 3 TP 13 = Secondary grade 4 HC / Secondary grade 4 TP 14 = Option not administered or data not available
CHINESE TAIPEI	SCQ2-01A-B	D	National options recoded to fit international categories 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
GHANA	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = Kindergarten 2 = P1 3 = P2 4 = P3 5 = P4 6 = P5 7 = P6 8 = JSS I 9 = JSS II 10 = JSS III 11 = Question not administered or data not available 12 = Question not administered or data not available 13 = Question not administered or data not available 14 = Question not administered or data not available

INDONESIA	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = TK A / TK B / TK C 2 = SD kelas 1 3 = SD kelas 2 4 = SD kelas 3 5 = SD kelas 4 6 = SD kelas 5 7 = SD kelas 6 8 = SLTP kelas 1 9 = SLTP kelas 2 10 = SLTP kelas 3 11 = SMU kelas 1 12 = SMU kelas 2 13 = SMU kelas 3 14 = Option not administered or data not available
KOREA, REP. OF	SCQ2-01A-B	D	National options recoded to fit international categories 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
LITHUANIA	SCQ2-01A-B	D	National options recoded to fit international categories 1 = kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
NETHERLANDS	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = Grade 7 9 = Grade 8 10 = Grade 9 11 = Grade 10 12 = Grade 11 13 = Grade 12 14 = Option not administered or data not available

NEW ZEALAND	SCQ2-01A	D	<p>Stem of the question changed: Is your school a...</p> <p>National options recoded to fit international categories: 1 = Composite/Area (Years 0/1 - 13) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Secondary (Years 7-13) / Restricted composite (Years 7-10) 8 = Option not administered or data not available 9 = Secondary (Years 9-13) 10 = Option not administered or data not available 11 = Option not administered or data not available 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available</p>
NEW ZEALAND	SCQ2-01B	D	<p>Stem of the question changed: Is your school a...</p> <p>National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = Option not administered or data not available 9 = Option not administered or data not available 10 = Restricted composite (Years 7-10) 11 = Option not administered or data not available 12 = Option not administered or data not available 13 = Secondary (Years 9-13) / Secondary (Years 7-13) / Composite area (Years 0/1 - 13) 14 = Option not administered or data not available</p>
NORWAY	SCQ2-01A-B	D	<p>National options recoded to fit international categories: 1 = Option not administered or data not available 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available</p>
ONTARIO, CANADA	SCQ2-01A-B	D	<p>National options recoded to fit international categories: 1 = Kindergarten (junior and/or senior) 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available</p>

QUEBEC, CANADA	SCQ2-01A-B	D	National options recoded to fit international categories: 1 = Kindergarten (junior and/or senior) 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
SWEDEN	SCQ2-01A	D	National options recoded to fit international categories: 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = Gymnasium 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available
SWEDEN	SCQ2-01B	D	National options recoded to fit international categories: 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = Option not administered or data not available 12 = Option not administered or data not available 13 = Gymnasium 14 = Option not administered or data not available

SCQ2-02A-B

Question:

A: What is the total school enrollment (number of students) in all grades?

B: What is the enrollment in the <eighth grade>?

Variable Name(s): BCBGTENR, BCBGEENR

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	SCQ2-02B	D	Stem of the question is changed: What is the enrollment in the eighth grade (both general and vocational stream)?

SCQ2-03**Question:**

How many people live in the city, town, or area where your school is located?

- 1 = More than 500,000 people
- 2 = 100,001 to 500,000 people
- 3 = 50,001 to 100,000 people
- 4 = 15,001 to 50,000 people
- 5 = 3,001 to 15,000 people
- 6 = Fewer than 3,000 people

Variable Name(s): BCBGCOMU

Country	Item ID	Code	Documentation
AUSTRALIA	SCQ2-03	D	National options recoded to fit international categories: 1 = More than 500,000 people 2 = 100,000 to 500,000 people 3 = 50,001 to 100,000 people 4 = 15,001 to 50,000 people 5 = 3,001 to 15,000 people 6 = 1,001 to 3,000 people / Fewer than 1,000 people
SINGAPORE	SCQ2-03	D	Gang punched to "More than 500,000 people"

SCQ2-06AA-AB**Question:**

Approximately what percentage of students in your school have the following backgrounds?

A: Come from economically disadvantaged homes

B: Come from economically affluent homes

- 1 = 0 to 10%
- 2 = 11 to 25%
- 3 = 26 to 50%
- 4 = More than 50%

Variable Name(s): BCBGSBED, BCBGSBEA

Country	Item ID	Code	Documentation
NORWAY	SCQ2-06AA-AB	X	Question not administered or data not available

SCQ2-07A-H**Question:**

How would you characterize each of the following within your school?

- A: Teachers' job satisfaction
 - B: Teachers' understanding of the school's curricular goals
 - C: Teachers' degree of success in implementing the school's curriculum
 - D: Teachers' expectations for student achievement
 - E: Parental support for student achievement
 - F: Parental involvement in school activities
 - G: Students' regard for school property
 - H: Students' desire to do well in school
- 1 = Very high
2 = High
3 = Medium
4 = Low
5 = Very low

Variable Name(s): BCBGCHTS, BCBGCHTU, BCBGCHTC, BCBGCHES, BCBGCHPS, BCBGCHPI, BCBGCHSR, BCBGCHSD

Country	Item ID	Code	Documentation
TUNISIA	SCQ2-07B-C	X	Option not administered or data not available

SCQ2-10A-E**Question:**

Does your school expect parents to do the following?

- A: Attend special events (e.g., science fair, concert, sporting events)
 - B: Raise funds for the school
 - C: Volunteer for school projects, programs, and trips
 - D: Ensure that their child completes his/her homework
 - E: Serve on school committees (e.g., select school personnel, review school finances)
- 1 = Yes
2 = No

Variable Name(s): BCBGEPSE, BCBGEPRF, BCBGEPVO, BCBGEPCH, BCBGEPSC

Country	Item ID	Code	Documentation
ENGLAND	SCQ2-10A-E	X	Question not administered or data not available
SCOTLAND	SCQ2-10A-E	D	Stem of the question changed: Do the parents of pupils in your school do the following?

SCQ2-11A**Question:**

How many days per year is your school open for instruction for <eighth-grade> students?

Variable Name(s): BCBGDYSO

Country	Item ID	Code	Documentation
LITHUANIA	SCQ2-11A	D	Gang punch to "195 school days"
NORWAY	SCQ2-11A	D	Gang punched to "190"
SINGAPORE	SCQ2-11A	D	Gang punched to "180"

SCQ2-11BA-BB**Question:**

How many instructional days are there in the school week (typical calendar week from Monday through Sunday) for eighth-grade students?

A: Number of FULL days (over 4 hours)

B: Number of HALF days (4 hours or less)

1 = 1 day

2 = 2 days

3 = 3 days

4 = 4 days

5 = 5 days

6 = 6 days

7 = None

Variable Name(s): BCBGDWUFU, BCBGDWHA

Country	Item ID	Code	Documentation
LITHUANIA	SCQ2-11BA	D	Gang punched to "5 days"
LITHUANIA	SCQ2-11BB	D	Gang punched to "None"
NETHERLANDS	SCQ2-11BA	D	Gang punched to "5 days"
NETHERLANDS	SCQ2-11BB	X	Option not administered or data not available
NORWAY	SCQ2-11BA	D	Gang punched to "5 days"
NORWAY	SCQ2-11BB	D	Gang punched to "None"
SINGAPORE	SCQ2-11BA	D	Gang punched to "5 days"
SINGAPORE	SCQ2-11BB	D	Gang punched to "1 day"

SCQ2-11C**Question:**

To the nearest half-hour, what is the total instructional time in a typical full day (excluding lunch breaks, study hall, and after school activities) for eighth-grade students?

1 = 4 hours or less

2 = 4.5 hours

3 = 5 hours

4 = 5.5 hours

5 = 6 hours

6 = 6.5 hours or more

Variable Name(s): BCBGTITD

Country	Item ID	Code	Documentation
LEBANON	SCQ2-11C	D	Data available only for English questionnaires
NETHERLANDS	SCQ2-11C	D	Gang punched to "6 hours"
NORWAY	SCQ2-11C	D	Gang punched to "4.5 hours"

SCQ2-12**Question:**

How does your school organize mathematics instruction for <eighth-grade> students with different levels of ability?

1 = Students study the same mathematics curriculum

2 = Students study the same mathematics curriculum, but at different levels of difficulty

3 = Students study different mathematics curricula according to their ability levels

Variable Name(s): BCBMODLA

Country	Item ID	Code	Documentation
ENGLAND	SCQ2-12	D	Nationally defined options: 1 = Students are taught in mixed ability classes 2 = Classes are formed by ability 3 = Students study only some attainment targets
NEW ZEALAND	SCQ2-12	D	Nationally defined options: 1 = All Year 9 students study at the same level of the mathematics curriculum 2 = Year 9 students study the same mathematics curriculum, but at different levels 3 = Option not administered or data not available
NORWAY	SCQ2-12	X	Question not administered or data not available
SCOTLAND	SCQ2-12	D	Nationally defined options: 1 = Students are taught in mixed ability classes 2 = Classes are formed on the basis of prior attainment 3 = Students study only some attainment targets
SINGAPORE	SCQ2-12	D	Gang punched to "Students study different mathematics curricula according to their ability levels"

SCQ2-13**Question:**

Are <eighth-grade> students in your school grouped by ability within their mathematics classes?

1 = Yes

2 = No

Variable Name(s): BCBMGAMC

Country	Item ID	Code	Documentation
NORWAY	SCQ2-13	X	Question not administered or data not available

SCQ2-14A-B**Question:**

Does your school do any of the following for students in the <eighth-grade>?

A: Offer enrichment mathematics

B: Offer remedial mathematics

1 = Yes

2 = No

Variable Name(s): BCBMSOEM, BCBMSORM

Country	Item ID	Code	Documentation
LEBANON	SCQ2-14A-B	D	Data available only for English questionnaires
NORWAY	SCQ2-14A-B	X	Question not administered or data not available

SCQ2-15**Question:**

How does your school organize science instruction for <eighth-grade> students with different levels of ability?

1 = Students study the same science curriculum

2 = Students study the same science curriculum, but at different levels of difficulty

3 = Students study different science curricula according to their ability levels

Variable Name(s): BCBSODLA

Country	Item ID	Code	Documentation
ENGLAND	SCQ2-15	D	Nationally defined options: 1 = Students are taught in mixed ability classes 2 = Classes are formed by ability 3 = Students study only some attainment targets
NEW ZEALAND	SCQ2-15	D	Nationally defined options: 1 = All Year 9 students study at the same level of the science curriculum 2 = Year 9 students study the same science curriculum, but at different levels 3 = Option not administered or data not available
NORWAY	SCQ2-15	X	Question not administered or data not available
SCOTLAND	SCQ2-15	D	Nationally defined options: 1 = Students are taught in mixed ability classes 2 = Classes are formed on the basis of prior attainment 3 = Students study only some attainment targets
SINGAPORE	SCQ2-15	D	Gang punched to "Students study different science curricula according to their ability levels"

SCQ2-16**Question:**

Are <eighth-grade> students in your school grouped by ability within their science classes?

1 = Yes

2 = No

Variable Name(s): BCBSGASC

Country	Item ID	Code	Documentation
NORWAY	SCQ2-16	X	Question not administered or data not available

SCQ2-17A-B**Question:**

Does your school do any of the following for students in the eighth-grade?

A: Offer enrichment science

B: Offer remedial science

1 = Yes

2 = No

Variable Name(s): BCBSOES, BCBSORS

Country	Item ID	Code	Documentation
NORWAY	SCQ2-17A-B	X	Question not administered or data not available

SCQ2-18A-C**Question:**

How difficult was it to fill <eighth-grade> teaching vacancies for this school year for the following subjects?

A: Mathematics

B: Science

C: Computer science/information technology

1 = Were no vacancies in this subject

2 = Easy to fill vacancies

3 = Somewhat difficult

4 = Very difficult

Variable Name(s): BCBMFVAY, BCBSFVAY, BCBSFVCY

Country	Item ID	Code	Documentation
INDONESIA	SCQ2-18B	X	Option not administered or data not available
ITALY	SCQ2-18A-C	X	Question not administered or data not available
MACEDONIA, REP.	SCQ2-18B	X	Option not administered or data not available
NORWAY	SCQ2-18C	X	Option not administered or data not available

SCQ2-19A-C**Question:**

Does your school currently use any incentives (e.g., pay, housing, signing bonus) to recruit or retain <eighth-grade> teachers in the following fields?

A: Mathematics

B: Science

C: Other

1 = Yes

2 = No

Variable Name(s): BCBMRRTM, BCBSRRTS, BCBGRRT0

Country	Item ID	Code	Documentation
INDONESIA	SCQ2-19B	X	Option not administered or data not available
ITALY	SCQ2-19A-C	X	Question not administered or data not available
MACEDONIA, REP.	SCQ2-19B	X	Option administered or data not available

SCQ2-21BA-BD**Question:**

In your school, are any of the following used to evaluate the practice of <eighth-grade> science teachers?

A: Observations by the principal or senior staff

B: Observations by inspectors or other persons external to the school

C: Student achievement

D: Teacher peer review

1 = Yes

2 = No

Variable Name(s): BCBSEPOS, BCBSEPOE, BCBSEPSA, BCBSEPTR

Country	Item ID	Code	Documentation
EGYPT	SCQ2-21BC	X	Option not administered or data not available
SYRIAN ARAB REP.	SCQ2-21BC	X	Option not administered or data not available

SCQ2-25A-B**Question:**

A: Is anyone available to help your teachers use information and communication technology for teaching and learning?

B: Which of the following statements best describes the person at this school who helps teachers use information and communication technology for teaching and learning?

1 = A full time school level coordinator (who has no other job responsibility)

2 = A library media specialist who also serves as computer coordinator

3 = A teacher who also has the title of this type of coordination

4 = A teacher who provides leadership informally to other teachers

5 = A district-level coordinator

6 = The principal or another school administrator

7 = Other person

Variable Name(s): BCBGHTTE, BCBGPHTTE

Country	Item ID	Code	Documentation
BULGARIA	SCQ2-25B	D	National options recoded to fit international categories: 1 = A full time school level coordinator 2 = Option not administered or data not available 3 = A teacher who also has the title of this type of coordinator 4 = A teacher who provides the leadership informally 5 = A district level coordinator 6 = The principal or another school administrator 7 = Other person
NETHERLANDS	SCQ2-25B	D	National options recoded to fit international categories: 1 = A full-time school level coordinator (who has no other job responsibility) 2 = A library media specialist who also serves as computer coordinator 3 = A teacher who also has the title of this type of coordinator 4 = A teacher who provides leadership informally to other teachers 5 = Option not administered or data not available 6 = The principal or another school administrator 7 = Other person

Section 5

**Eighth Grade – Sampling
Stratification Information**

Section 5: Eighth Grade - Sampling Stratification Information

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ARMENIA	1	Republic of Armenia	1	Aragatsotn
	1	Republic of Armenia	2	Ararat
	1	Republic of Armenia	3	Armavir
	1	Republic of Armenia	4	Gegharkunik
	1	Republic of Armenia	5	Kotayk
	1	Republic of Armenia	6	Lori
	1	Republic of Armenia	7	Shirak
	1	Republic of Armenia	8	Syunik
	1	Republic of Armenia	9	Tavush
	1	Republic of Armenia	10	Vayots Dzor
	1	Republic of Armenia	11	Yerevan
AUSTRALIA	A	Not Available	A	Not Available
BAHRAIN	1	Bahrain	1	Boys
	1	Bahrain	2	Girls
	1	Bahrain	3	Private
BASQUE CTY, SPAIN	A	Not Available	A	Not Available
BELGIUM (FLEMISH)	2	Academic - Large Schools	1	Catholic Education
	2	Academic - Large Schools	2	Communal Education
	2	Academic - Large Schools	3	State Education
	3	Academic - Very Large Schools	1	Catholic Education
	4	Professional	1	Catholic Education
	4	Professional	2	Communal Education
	4	Professional	3	State Education
BOTSWANA	1	Government	1	Central - Rural
	1	Government	2	Central - Semi-Urban
	1	Government	3	Central - Urban
	1	Government	4	North - Rural
	1	Government	5	North - Semi-Urban
	1	Government	6	North - Urban
	1	Government	7	South - Rural
	1	Government	8	South - Semi-Urban
	1	Government	9	South - Urban
	1	Government	10	South Central - Rural
	1	Government	11	South Central - Semi-Urban
	1	Government	12	South Central - Urban
	1	Government	13	West - Rural
	1	Government	14	West - Semi-Urban
	2	Private	1	Central - Semi-Urban
	2	Private	2	North - Semi-Urban
	2	Private	3	North - Urban
	2	Private	4	South - Urban
	2	Private	5	South Central - Semi-Urban
	2	Private	6	South Central - Urban
2	Private	7	West - Semi-Urban	
BULGARIA	1	Very Large Schools	1	All
	2	Large Schools	1	With Entrance Examination
	2	Large Schools	2	Without Entrance Examination

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
CHILE	1	North & Region 8 - Municipal	1	Urban	
	1	North & Region 8 - Municipal	2	Rural	
	2	North & Region 8 - Subsidized	1	Urban	
	2	North & Region 8 - Subsidized	2	Rural	
	3	North & Region 8 - Private	1	Urban	
	3	North & Region 8 - Private	2	Rural	
	4	All other Regions - Municipal	1	Urban	
	4	All other Regions - Municipal	2	Rural	
	5	All other Regions - Subsidized	1	Urban	
	5	All other Regions - Subsidized	2	Rural	
	6	All other Regions - Private	1	Urban	
	6	All other Regions - Private	2	Rural	
	CHINESE TAIPEI	2	Chinese Taipei	1	Region 1 - Male
		2	Chinese Taipei	2	Region 1 - Female
2		Chinese Taipei	3	Region 1 - Mixed	
2		Chinese Taipei	4	Region 2 - Female	
2		Chinese Taipei	5	Region 2 - Mixed	
2		Chinese Taipei	6	Region 3 - Male	
2		Chinese Taipei	7	Region 3 - Female	
2		Chinese Taipei	8	Region 3 - Mixed	
2		Chinese Taipei	9	Region 4 - Mixed	
2		Chinese Taipei	10	Region 5 - Mixed	
CYPRUS	5	Nicosia	1	Urban	
	5	Nicosia	2	Rural	
	6	Larnaka	1	Urban	
	6	Larnaka	2	Rural	
	7	Limassol	1	Urban	
	7	Limassol	2	Rural	
	8	Pafos	1	Urban	
	8	Pafos	2	Rural	
EGYPT	1	Afternoon 2nd Shift	1	Boys - Rural - Public Schools	
	1	Afternoon 2nd Shift	2	Boys - Urban - Public Schools	
	1	Afternoon 2nd Shift	3	Boys - Urban - Free Private Schools	
	1	Afternoon 2nd Shift	4	Girls - Rural - Public Schools	
	1	Afternoon 2nd Shift	5	Girls - Urban - Public Schools	
	1	Afternoon 2nd Shift	6	Mixed - Rural - Public Schools	
	1	Afternoon 2nd Shift	7	Mixed - Urban - Public Schools	
	2	Public Schools	1	Boys - Rural - Full Day	
	2	Public Schools	2	Boys - Rural - Morning Shift	
	2	Public Schools	3	Boys - Rural - Noon Shift	
	2	Public Schools	4	Boys - Urban - Full Day	
	2	Public Schools	5	Boys - Urban - Morning Shift	
	2	Public Schools	6	Boys - Urban - Noon Shift	
	2	Public Schools	7	Girls - Rural - Full Day	
	2	Public Schools	8	Girls - Rural - Morning Shift	
	2	Public Schools	9	Girls - Rural - Noon Shift	
2	Public Schools	10	Girls - Urban - Full Day		
2	Public Schools	11	Girls - Urban - Morning Shift		
2	Public Schools	12	Girls - Urban - Noon Shift		

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
EGYPT	2	Public Schools	13	Mixed - Rural - Full Day
	2	Public Schools	14	Mixed - Rural - Morning Shift
	2	Public Schools	15	Mixed - Rural - Noon Shift
	2	Public Schools	16	Mixed - Urban - Full Day
	2	Public Schools	17	Mixed - Urban - Morning Shift
	2	Public Schools	18	Mixed - Urban - Noon Shift
	3	Experimental Language Schools	1	Boys - Urban
	3	Experimental Language Schools	2	Girls - Urban
	3	Experimental Language Schools	3	Mixed - Rural
	3	Experimental Language Schools	4	Mixed - Urban
	4	Free Private Schools	1	Boys - Rural
	4	Free Private Schools	2	Boys - Urban
	4	Free Private Schools	3	Girls - Urban
	4	Free Private Schools	4	Mixed - Rural
	4	Free Private Schools	5	Mixed - Urban
	5	Private Schools	1	Boys - Urban
	5	Private Schools	2	Girls - Urban
	5	Private Schools	3	Mixed - Rural
	5	Private Schools	4	Mixed - Urban
	6	Private Language Schools	1	Boys - Urban
	6	Private Language Schools	2	Girls - Urban
	6	Private Language Schools	3	Mixed - Rural
	6	Private Language Schools	4	Mixed - Urban
	ENGLAND	2	England	1
2		England	2	Low Perf. - Comprehensive to 18
2		England	3	Low Perf. - Grammar
2		England	4	Low/Mid Perf. - Comprehensive to 16
2		England	5	Low/Mid Perf. - Comprehensive to 18
2		England	6	Low/Mid Perf. - Independent
2		England	7	Low/Mid Perf. - Grammar
2		England	8	Low/Mid Perf. - Other
2		England	9	Mid Perf. - Comprehensive to 16
2		England	10	Mid Perf. - Comprehensive to 18
2		England	11	Mid Perf. - Independent
2		England	12	Mid Perf. - Grammar
2		England	13	Mid Perf. - Other
2		England	14	Mid/High Perf. - Comprehensive to 16
2		England	15	Mid/High Perf. - Comprehensive to 18
2		England	16	Mid/High Perf. - Grammar
2		England	17	Mid/High Perf. - Other
2		England	18	High Perf. - Comprehensive to 16
2		England	19	High Perf. - Comprehensive to 18
2		England	20	High Perf. - Independent
2		England	21	High Perf. - Grammar
2		England	22	High Perf. - Other
2		England	23	Unknown Perf. - Comprehensive to 16
2		England	24	Unknown Perf. - Comprehensive to 18

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ENGLAND	2	England	25	Unknown Perf. - Independent
	2	England	26	Unknown Perf. - Grammar
	2	England	27	Unknown Perf. - Other
ESTONIA	1	Very Large Estonian Schools	1	Capital City - Years 1-12
	1	Very Large Estonian Schools	2	Large Cities - Years 1-12
	1	Very Large Estonian Schools	3	County Capitals - Years 1-12
	1	Very Large Estonian Schools	4	County Towns - Years 1-12
	1	Very Large Estonian Schools	5	Township Schools - Years 1-12
	2	Large Estonian Schools	1	Capital City - Years 1-12
	2	Large Estonian Schools	2	Capital City - Years 1-9
	2	Large Estonian Schools	3	Large Cities - Years 1-12
	2	Large Estonian Schools	4	Large Cities - Years 1-9
	2	Large Estonian Schools	5	County Capitals - Years 1-12
	2	Large Estonian Schools	6	County Capitals - Years 1-9
	2	Large Estonian Schools	7	County Towns - Years 1-12
	2	Large Estonian Schools	8	County Towns - Years 1-9
	2	Large Estonian Schools	9	Township Schools - Years 1-12
	2	Large Estonian Schools	10	Township Schools - Years 1-9
	3	Very Large Russian Schools	1	Capital City - Years 1-12
	3	Very Large Russian Schools	2	Large Cities - Years 1-12
	4	Large Russian Schools	1	Capital City - Years 1-12
	4	Large Russian Schools	2	Capital City - Years 1-9
	4	Large Russian Schools	3	Large Cities - Years 1-12
	4	Large Russian Schools	4	Large Cities - Years 1-9
	4	Large Russian Schools	5	County Capitals - Years 1-12
	4	Large Russian Schools	6	County Capitals - Years 1-9
	4	Large Russian Schools	7	County Towns - Years 1-12
4	Large Russian Schools	8	County Towns - Years 1-9	
4	Large Russian Schools	9	Township Schools - Years 1-9	
GHANA	1	Ghana	1	ASHANTI
	1	Ghana	2	BRONG AHAFO
	1	Ghana	3	CENTRAL
	1	Ghana	4	EASTERN
	1	Ghana	5	GREATER ACCRA
	1	Ghana	6	NORTHERN
	1	Ghana	7	UPPER EAST
	1	Ghana	8	UPPER WEST
	1	Ghana	9	VOLTA
	1	Ghana	10	WESTERN
HONG KONG	2	Hong Kong	1	Single-sex - Aided - Chinese
	2	Hong Kong	2	Single-sex - Aided - English
	2	Hong Kong	3	Single-sex - Gov. & Private - Chinese
	2	Hong Kong	4	Single-sex - Gov. & Private - English
	2	Hong Kong	5	Mixed - Aided - Chinese
	2	Hong Kong	6	Mixed - Aided - English
	2	Hong Kong	7	Mixed - Gov. & Private - Chinese
	2	Hong Kong	8	Mixed - Gov. & Private - English
HUNGARY	2	Gr. 8 only	1	Baranya - County Seat
	2	Gr. 8 only	2	Baranya - Towns

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
HUNGARY	2	Gr. 8 only	3	Baranya - Villages
	2	Gr. 8 only	4	Borsod-Abaúj-Zemplén - County Seat
	2	Gr. 8 only	5	Borsod-Abaúj-Zemplén - Towns
	2	Gr. 8 only	6	Borsod-Abaúj-Zemplén - Villages
	2	Gr. 8 only	7	Bács-Kiskun - County Seat
	2	Gr. 8 only	8	Bács-Kiskun - Towns
	2	Gr. 8 only	9	Bács-Kiskun - Villages
	2	Gr. 8 only	10	Békés - County Seat
	2	Gr. 8 only	11	Békés - Towns
	2	Gr. 8 only	12	Békés - Villages
	2	Gr. 8 only	13	Csongrád - County Seat
	2	Gr. 8 only	14	Csongrád - Towns
	2	Gr. 8 only	15	Csongrád - Villages
	2	Gr. 8 only	16	Fejér - County Seat
	2	Gr. 8 only	17	Fejér - Towns
	2	Gr. 8 only	18	Fejér - Villages
	2	Gr. 8 only	19	Gyor-Moson-Sopron - County Seat
	2	Gr. 8 only	20	Gyor-Moson-Sopron - Towns
	2	Gr. 8 only	21	Gyor-Moson-Sopron - Villages
	2	Gr. 8 only	22	Hajdú-Bihar - County Seat
	2	Gr. 8 only	23	Hajdú-Bihar - Towns
	2	Gr. 8 only	24	Hajdú-Bihar - Villages
	2	Gr. 8 only	25	Heves - County Seat
	2	Gr. 8 only	26	Heves - Towns
	2	Gr. 8 only	27	Heves - Villages
	2	Gr. 8 only	28	Jász-Nagykun-Szolnok - Towns
	2	Gr. 8 only	29	Jász-Nagykun-Szolnok - Villages
	2	Gr. 8 only	30	Komárom-Esztergom - County Seat
	2	Gr. 8 only	31	Komárom-Esztergom - Towns
	2	Gr. 8 only	32	Komárom-Esztergom - Villages
	2	Gr. 8 only	33	Nógrád - County Seat
	2	Gr. 8 only	34	Nógrád - Towns
	2	Gr. 8 only	35	Nógrád - Villages
	2	Gr. 8 only	36	Pest - Towns
	2	Gr. 8 only	37	Pest - Villages
	2	Gr. 8 only	38	Somogy - County Seat
	2	Gr. 8 only	39	Somogy - Towns
	2	Gr. 8 only	40	Somogy - Villages
	2	Gr. 8 only	41	Szabolcs-Szatmár-Bereg - County Seat
	2	Gr. 8 only	42	Szabolcs-Szatmár-Bereg - Towns
	2	Gr. 8 only	43	Szabolcs-Szatmár-Bereg - Villages
	2	Gr. 8 only	44	Tolna - County Seat
	2	Gr. 8 only	45	Tolna - Towns
	2	Gr. 8 only	46	Tolna - Villages
	2	Gr. 8 only	47	Vas - County Seat
	2	Gr. 8 only	48	Vas - Towns
	2	Gr. 8 only	49	Vas - Villages
	2	Gr. 8 only	50	Veszprém - County Seat
	2	Gr. 8 only	51	Veszprém - Towns

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
HUNGARY	2	Gr. 8 only	52	Veszprém - Villages
	2	Gr. 8 only	53	Zala - County Seat
	2	Gr. 8 only	54	Zala - Towns
	2	Gr. 8 only	55	Zala - Villages
	2	Gr. 8 only	56	Fováros - Budapest
	3	Gr. 4 & Gr. 8	1	Baranya - County Seat
	3	Gr. 4 & Gr. 8	2	Baranya - Towns
	3	Gr. 4 & Gr. 8	3	Baranya - Villages
	3	Gr. 4 & Gr. 8	4	Borsod-Abaúj-Zemplén - County Seat
	3	Gr. 4 & Gr. 8	5	Borsod-Abaúj-Zemplén - Towns
	3	Gr. 4 & Gr. 8	6	Borsod-Abaúj-Zemplén - Villages
	3	Gr. 4 & Gr. 8	7	Bács-Kiskun - County Seat
	3	Gr. 4 & Gr. 8	8	Bács-Kiskun - Towns
	3	Gr. 4 & Gr. 8	9	Bács-Kiskun - Villages
	3	Gr. 4 & Gr. 8	10	Békés - County Seat
	3	Gr. 4 & Gr. 8	11	Békés - Towns
	3	Gr. 4 & Gr. 8	12	Békés - Villages
	3	Gr. 4 & Gr. 8	13	Csongrád - County Seat
	3	Gr. 4 & Gr. 8	14	Csongrád - Towns
	3	Gr. 4 & Gr. 8	15	Csongrád - Villages
	3	Gr. 4 & Gr. 8	16	Fejér - County Seat
	3	Gr. 4 & Gr. 8	17	Fejér - Towns
	3	Gr. 4 & Gr. 8	18	Fejér - Villages
	3	Gr. 4 & Gr. 8	19	Gyor-Moson-Sopron - County Seat
	3	Gr. 4 & Gr. 8	20	Gyor-Moson-Sopron - Towns
	3	Gr. 4 & Gr. 8	21	Gyor-Moson-Sopron - Villages
	3	Gr. 4 & Gr. 8	22	Hajdú-Bihar - County Seat
	3	Gr. 4 & Gr. 8	23	Hajdú-Bihar - Towns
	3	Gr. 4 & Gr. 8	24	Hajdú-Bihar - Villages
	3	Gr. 4 & Gr. 8	25	Heves - County Seat
	3	Gr. 4 & Gr. 8	26	Heves - Towns
	3	Gr. 4 & Gr. 8	27	Heves - Villages
	3	Gr. 4 & Gr. 8	28	Jász-Nagykun-Szolnok - County Seat
	3	Gr. 4 & Gr. 8	29	Jász-Nagykun-Szolnok - Towns
	3	Gr. 4 & Gr. 8	30	Jász-Nagykun-Szolnok - Villages
	3	Gr. 4 & Gr. 8	31	Komárom-Esztergom - County Seat
	3	Gr. 4 & Gr. 8	32	Komárom-Esztergom - Towns
	3	Gr. 4 & Gr. 8	33	Komárom-Esztergom - Villages
	3	Gr. 4 & Gr. 8	34	Nógrád - County Seat
	3	Gr. 4 & Gr. 8	35	Nógrád - Towns
	3	Gr. 4 & Gr. 8	36	Nógrád - Villages
	3	Gr. 4 & Gr. 8	37	Pest - Towns
	3	Gr. 4 & Gr. 8	38	Pest - Villages
	3	Gr. 4 & Gr. 8	39	Somogy - County Seat
3	Gr. 4 & Gr. 8	40	Somogy - Towns	
3	Gr. 4 & Gr. 8	41	Somogy - Villages	
3	Gr. 4 & Gr. 8	42	Szabolcs-Szatmár-Bereg - County Seat	
3	Gr. 4 & Gr. 8	43	Szabolcs-Szatmár-Bereg - Towns	
3	Gr. 4 & Gr. 8	44	Szabolcs-Szatmár-Bereg - Villages	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
HUNGARY	3	Gr. 4 & Gr. 8	45	Tolna - County Seat	
	3	Gr. 4 & Gr. 8	46	Tolna - Towns	
	3	Gr. 4 & Gr. 8	47	Tolna - Villages	
	3	Gr. 4 & Gr. 8	48	Vas - County Seat	
	3	Gr. 4 & Gr. 8	49	Vas - Towns	
	3	Gr. 4 & Gr. 8	50	Vas - Villages	
	3	Gr. 4 & Gr. 8	51	Veszprém - County Seat	
	3	Gr. 4 & Gr. 8	52	Veszprém - Towns	
	3	Gr. 4 & Gr. 8	53	Veszprém - Villages	
	3	Gr. 4 & Gr. 8	54	Zala - County Seat	
	3	Gr. 4 & Gr. 8	55	Zala - Towns	
	3	Gr. 4 & Gr. 8	56	Zala - Villages	
	3	Gr. 4 & Gr. 8	57	Fováros - Budapest	
	INDIANA, US	3	Private	1	Urbanization Level 1 - Low Minority
		3	Private	2	Urbanization Level 1 - High Minority
		3	Private	3	Urbanization Level 2 - Low Minority
		3	Private	4	Urbanization Level 2 - High Minority
3		Private	5	Urbanization Level 3 - Low Minority	
3		Private	6	Urbanization Level 3 - High Minority	
3		Private	7	Urbanization Level 4 - Low Minority	
3		Private	8	Urbanization Level 4 - High Minority	
3		Private	9	Urbanization Level 5 - Low Minority	
3		Private	10	Urbanization Level 5 - High Minority	
3		Private	11	Urbanization Level 6 - Low Minority	
3		Private	12	Urbanization Level 6 - High Minority	
3		Private	13	Urbanization Level 7 - Low Minority	
3		Private	14	Urbanization Level 7 - High Minority	
3		Private	15	Urbanization Level 8 - Low Minority	
3		Private	16	Urbanization Level 8 - High Minority	
4		Public	1	Urbanization Level 1 - Low Minority	
4		Public	2	Urbanization Level 1 - High Minority	
4		Public	3	Urbanization Level 2 - Low Minority	
4		Public	4	Urbanization Level 2 - High Minority	
4		Public	5	Urbanization Level 3 - Low Minority	
4		Public	6	Urbanization Level 3 - High Minority	
4		Public	7	Urbanization Level 4 - Low Minority	
4		Public	8	Urbanization Level 4 - High Minority	
4		Public	9	Urbanization Level 5 - Low Minority	
4		Public	10	Urbanization Level 5 - High Minority	
4		Public	11	Urbanization Level 6 - Low Minority	
4		Public	12	Urbanization Level 7 - Low Minority	
4		Public	13	Urbanization Level 7 - High Minority	
4		Public	14	Urbanization Level 8 - Low Minority	
4	Public	15	Urbanization Level 8 - High Minority		
INDONESIA	1	Indonesia	1	Private - High Quality	
	1	Indonesia	2	Private - Average Quality	
	1	Indonesia	3	Private - Low Quality	
	1	Indonesia	4	Public - High Quality	
	1	Indonesia	5	Public - Average Quality	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
INDONESIA	1	Indonesia	6	Public - Low Quality
IRAN, ISLAMIC REP.	1	Small - Public	1	All
	2	Small - Private	1	All
	3	Large - Public	1	All
	4	Large - Private	1	All
ISRAEL	1	Hebrew Secular	1	Elementary - Low SES
	1	Hebrew Secular	2	Elementary - Mid SES
	1	Hebrew Secular	3	Elementary - High SES
	1	Hebrew Secular	4	Elementary - Unknown SES
	1	Hebrew Secular	5	Elementary & Junior High - High SES
	1	Hebrew Secular	6	Elementary & Secondary - Unknown SES
	1	Hebrew Secular	7	Junior High - Low SES
	1	Hebrew Secular	8	Junior High - Mid SES
	1	Hebrew Secular	9	Junior High - High SES
	1	Hebrew Secular	10	Junior High - Unknown SES
	1	Hebrew Secular	11	Junior & Secondary - Low SES
	1	Hebrew Secular	12	Junior & Secondary - Mid SES
	1	Hebrew Secular	13	Junior & Secondary - High SES
	1	Hebrew Secular	14	Junior & Secondary - Unknown SES
	2	Hebrew Religious	1	Elementary - Low SES
	2	Hebrew Religious	2	Elementary - Mid SES
	2	Hebrew Religious	3	Elementary - High SES
	2	Hebrew Religious	4	Elementary - Unknown SES
	2	Hebrew Religious	5	Elementary & Secondary - Unknown SES
	2	Hebrew Religious	6	Junior High - Low SES
	2	Hebrew Religious	7	Junior High - Mid SES
	2	Hebrew Religious	8	Junior High - High SES
	2	Hebrew Religious	9	Junior High - Unknown SES
	2	Hebrew Religious	10	Junior & Secondary - Low SES
	2	Hebrew Religious	11	Junior & Secondary - Mid SES
	2	Hebrew Religious	12	Junior & Secondary - High SES
	2	Hebrew Religious	13	Junior & Secondary - Unknown SES
	3	Arab	1	Elementary - Low SES
	3	Arab	2	Elementary - Mid SES
	3	Arab	3	Elementary - High SES
	3	Arab	4	Elementary - Unknown SES
	3	Arab	5	Elementary & Secondary - Unknown SES
	3	Arab	6	Junior High - Low SES
3	Arab	7	Junior High - Mid SES	
3	Arab	8	Junior High - High SES	
3	Arab	9	Junior High - Unknown SES	
3	Arab	10	Junior & Secondary - Low SES	
3	Arab	11	Junior & Secondary - Mid SES	
3	Arab	12	Junior & Secondary - High SES	
3	Arab	13	Junior & Secondary - Unknown SES	
ITALY	2	Italy	1	Val d'Aosta - Capital Town
	2	Italy	2	Val d'Aosta - Other Towns
	2	Italy	3	Piemonte - Capital Town
	2	Italy	4	Piemonte - Other Towns

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
ITALY	2	Italy	5	Liguria - Capital Town	
	2	Italy	6	Liguria - Other Towns	
	2	Italy	7	Lombardia - Capital Town	
	2	Italy	8	Lombardia - Other Towns	
	2	Italy	9	Trentino-Alto-Adige - Capital Town	
	2	Italy	10	Trentino-Alto-Adige - Other Towns	
	2	Italy	11	Veneto - Capital Town	
	2	Italy	12	Veneto - Other Towns	
	2	Italy	13	Friuli-Venezia-Giulia - Capital Town	
	2	Italy	14	Friuli-Venezia-Giulia - Other Towns	
	2	Italy	15	Emilia Romagna - Capital Town	
	2	Italy	16	Emilia Romagna - Other Towns	
	2	Italy	17	Toscana - Capital Town	
	2	Italy	18	Toscana - Other Towns	
	2	Italy	19	Umbria - Capital Town	
	2	Italy	20	Umbria - Other Towns	
	2	Italy	21	Marche - Capital Town	
	2	Italy	22	Marche - Other Towns	
	2	Italy	23	Lazio - Capital Town	
	2	Italy	24	Lazio - Other Towns	
	2	Italy	25	Abruzzo - Capital Town	
	2	Italy	26	Abruzzo - Other Towns	
	2	Italy	27	Molise - Capital Town	
	2	Italy	28	Molise - Other Towns	
	2	Italy	29	Campania - Capital Town	
	2	Italy	30	Campania - Other Towns	
	2	Italy	31	Puglia - Capital Town	
	2	Italy	32	Puglia - Other Towns	
	2	Italy	33	Basilicata - Capital Town	
	2	Italy	34	Basilicata - Other Towns	
	2	Italy	35	Calabria - Capital Town	
	2	Italy	36	Calabria - Other Towns	
	2	Italy	37	Sicilia - Capital Town	
	2	Italy	38	Sicilia - Other Towns	
	2	Italy	39	Sardegna - Capital Town	
	2	Italy	40	Sardegna - Other Towns	
	JAPAN	4	Public - Big City	1	All
		5	Public - City	1	All
		6	Public - Non-City	1	All
		7	Private or Nation	1	All
JORDAN	1	Jordan	1	Public - Urban - Boys	
	1	Jordan	2	Public - Urban - Girls	
	1	Jordan	3	Public - Urban - Mixed	
	1	Jordan	4	Public - Rural - Boys	
	1	Jordan	5	Public - Rural - Girls	
	1	Jordan	6	Public - Rural - Mixed	
	1	Jordan	7	UNRWA - Urban - Boys	
	1	Jordan	8	UNRWA - Urban - Girls	
	1	Jordan	9	UNRWA - Urban - Mixed	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
JORDAN	1	Jordan	10	UNRWA - Rural - Boys
	1	Jordan	11	UNRWA - Rural - Girls
	1	Jordan	12	UNRWA - Rural - Mixed
	1	Jordan	13	Private - All - Boys
	1	Jordan	14	Private - All - Girls
	1	Jordan	15	Private - All - Mixed
KOREA, REP. OF	1	Seoul	1	Big City - Boys
	1	Seoul	2	Big City - Girls
	1	Seoul	3	Big City - Mixed
	2	Pusan	1	Big City - Boys
	2	Pusan	2	Big City - Girls
	2	Pusan	3	Big City - Mixed
	2	Pusan	4	Rural - Mixed
	3	Taegu	1	Big City - Boys
	3	Taegu	2	Big City - Girls
	3	Taegu	3	Big City - Mixed
	3	Taegu	4	Rural - Boys
	3	Taegu	5	Rural - Girls
	3	Taegu	6	Rural - Mixed
	4	Inchon	1	Big City - Boys
	4	Inchon	2	Big City - Girls
	4	Inchon	3	Big City - Mixed
	4	Inchon	4	Rural - Mixed
	5	Kwangju	1	Big City - Boys
	5	Kwangju	2	Big City - Girls
	5	Kwangju	3	Big City - Mixed
	6	Taejon	1	Big City - Boys
	6	Taejon	2	Big City - Girls
	6	Taejon	3	Big City - Mixed
	7	Ulsan	1	Big City - Boys
	7	Ulsan	2	Big City - Girls
	7	Ulsan	3	Big City - Mixed
	7	Ulsan	4	Rural - Boys
	7	Ulsan	5	Rural - Girls
	7	Ulsan	6	Rural - Mixed
	8	Kyunggi-do	1	Urban - Boys
	8	Kyunggi-do	2	Urban - Girls
	8	Kyunggi-do	3	Urban - Mixed
8	Kyunggi-do	4	Rural - Boys	
8	Kyunggi-do	5	Rural - Girls	
8	Kyunggi-do	6	Rural - Mixed	
9	Kangwon-do	1	Urban - Boys	
9	Kangwon-do	2	Urban - Girls	
9	Kangwon-do	3	Urban - Mixed	
9	Kangwon-do	4	Rural - Boys	
9	Kangwon-do	5	Rural - Girls	
9	Kangwon-do	6	Rural - Mixed	
10	Chungchongbuk-do	1	Urban - Boys	
10	Chungchongbuk-do	2	Urban - Girls	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
KOREA, REP. OF	10	Chungchongbuk-do	3	Urban - Mixed	
	10	Chungchongbuk-do	4	Rural - Boys	
	10	Chungchongbuk-do	5	Rural - Girls	
	10	Chungchongbuk-do	6	Rural - Mixed	
	11	Chungchongnam-do	1	Urban - Boys	
	11	Chungchongnam-do	2	Urban - Girls	
	11	Chungchongnam-do	3	Urban - Mixed	
	11	Chungchongnam-do	4	Rural - Boys	
	11	Chungchongnam-do	5	Rural - Girls	
	11	Chungchongnam-do	6	Rural - Mixed	
	12	Chollabuk-do	1	Urban - Boys	
	12	Chollabuk-do	2	Urban - Girls	
	12	Chollabuk-do	3	Urban - Mixed	
	12	Chollabuk-do	4	Rural - Boys	
	12	Chollabuk-do	5	Rural - Girls	
	12	Chollabuk-do	6	Rural - Mixed	
	13	Chollanam-do	1	Urban - Boys	
	13	Chollanam-do	2	Urban - Girls	
	13	Chollanam-do	3	Urban - Mixed	
	13	Chollanam-do	4	Rural - Boys	
	13	Chollanam-do	5	Rural - Girls	
	13	Chollanam-do	6	Rural - Mixed	
	14	Kyongsangbuk-do	1	Urban - Boys	
	14	Kyongsangbuk-do	2	Urban - Girls	
	14	Kyongsangbuk-do	3	Urban - Mixed	
	14	Kyongsangbuk-do	4	Rural - Boys	
	14	Kyongsangbuk-do	5	Rural - Girls	
	14	Kyongsangbuk-do	6	Rural - Mixed	
	15	Kongsangnam-do	1	Urban - Boys	
	15	Kongsangnam-do	2	Urban - Girls	
	15	Kongsangnam-do	3	Urban - Mixed	
	15	Kongsangnam-do	4	Rural - Boys	
	15	Kongsangnam-do	5	Rural - Girls	
	15	Kongsangnam-do	6	Rural - Mixed	
	16	Cheju-do	1	Urban - Boys	
	16	Cheju-do	2	Urban - Girls	
	16	Cheju-do	3	Urban - Mixed	
	16	Cheju-do	4	Rural - Boys	
	16	Cheju-do	5	Rural - Girls	
	16	Cheju-do	6	Rural - Mixed	
	LATVIA	2	Gr. 8 only	1	Latvian - Rural
		2	Gr. 8 only	2	Latvian - Urban
2		Gr. 8 only	3	Russian - Urban	
3		Gr. 4 & 8 - Very Large	1	Latvian - Urban	
3		Gr. 4 & 8 - Very Large	2	Mixed - Urban	
3		Gr. 4 & 8 - Very Large	3	Russian - Urban	
4		Gr. 4 & 8 - Large	1	Latvian - Rural	
4	Gr. 4 & 8 - Large	2	Latvian - Urban		
4	Gr. 4 & 8 - Large	3	Mixed - Rural		

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
LATVIA	4	Gr. 4 & 8 - Large	4	Mixed - Urban
	4	Gr. 4 & 8 - Large	5	Russian - Rural
	4	Gr. 4 & 8 - Large	6	Russian - Urban
LEBANON	1	Lebanon	1	Private - Rural - Mixed
	1	Lebanon	2	Private - Urban - Boys
	1	Lebanon	3	Private - Urban - Girls
	1	Lebanon	4	Private - Urban - Mixed
	1	Lebanon	5	Public - Rural - Boys
	1	Lebanon	6	Public - Rural - Girls
	1	Lebanon	7	Public - Rural - Mixed
	1	Lebanon	8	Public - Urban - Boys
	1	Lebanon	9	Public - Urban - Girls
	1	Lebanon	10	Public - Urban - Mixed
LITHUANIA	2	Lithuanian - Gr. 8 only	1	Basic
	2	Lithuanian - Gr. 8 only	2	Secondary
	3	Lithuanian - Gr. 4 & Gr. 8	1	Basic
	3	Lithuanian - Gr. 4 & Gr. 8	2	Secondary
MACEDONIA, REP.	1	Large Schools	1	Albanian - Rural
	1	Large Schools	2	Albanian - Urban
	1	Large Schools	3	Macedonian - Rural
	1	Large Schools	4	Macedonian - Urban
	2	Very Large Schools	1	Albanian - Rural
	2	Very Large Schools	2	Albanian - Urban
	2	Very Large Schools	3	Macedonian - Urban
MALAYSIA	1	Malaysia	1	A.Perak - Rural
	1	Malaysia	2	A.Perak - Urban
	1	Malaysia	3	B.Selangor - Rural
	1	Malaysia	4	B.Selangor - Urban
	1	Malaysia	5	C.Pahang - Rural
	1	Malaysia	6	C.Pahang - Urban
	1	Malaysia	7	D.Kelantan - Rural
	1	Malaysia	8	D.Kelantan - Urban
	1	Malaysia	9	J.Johor - Rural
	1	Malaysia	10	J.Johor - Urban
	1	Malaysia	11	K.Kedah - Rural
	1	Malaysia	12	K.Kedah - Urban
	1	Malaysia	13	M.Melaka - Rural
	1	Malaysia	14	M.Melaka - Urban
	1	Malaysia	15	N.Negeri Sembilan - Rural
	1	Malaysia	16	N.Negeri Sembilan - Urban
	1	Malaysia	17	P.Pulau Pinang - Rural
	1	Malaysia	18	P.Pulau Pinang - Urban
	1	Malaysia	19	R.Perlis - Rural
	1	Malaysia	20	R.Perlis - Urban
	1	Malaysia	21	T.Terengganu - Rural
	1	Malaysia	22	T.Terengganu - Urban
	1	Malaysia	23	W.Wilayah Persekutuan - Rural
	1	Malaysia	24	W.Wilayah Persekutuan - Urban
	1	Malaysia	25	X.Sabah - Rural

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
MALAYSIA	1	Malaysia	26	X.Sabah - Urban
	1	Malaysia	27	Y.Sarawak - Rural
	1	Malaysia	28	Y.Sarawak - Urban
MOLDOVA, REP. OF	2	Gr. 8 only	1	Urban
	2	Gr. 8 only	2	Rural
	3	Gr. 4 & Gr. 8	1	Urban - Other
	3	Gr. 4 & Gr. 8	2	Urban - Gymnasium
	3	Gr. 4 & Gr. 8	3	Urban - Lyceum - Mixed
	3	Gr. 4 & Gr. 8	4	Urban - Lyceum - National
	3	Gr. 4 & Gr. 8	5	Urban - Lyceum - Russian
	3	Gr. 4 & Gr. 8	6	Urban - General School - Mixed
	3	Gr. 4 & Gr. 8	7	Urban - General School - National
	3	Gr. 4 & Gr. 8	8	Urban - General School - Russian
	3	Gr. 4 & Gr. 8	9	Rural - Other
	3	Gr. 4 & Gr. 8	10	Rural - Gymnasium - Mixed
	3	Gr. 4 & Gr. 8	11	Rural - Gymnasium - National
	3	Gr. 4 & Gr. 8	12	Rural - Gymnasium - Russian
	3	Gr. 4 & Gr. 8	13	Rural - Lyceum
	MOROCCO	3	Gr. 4 & Gr. 8	14
3		Gr. 4 & Gr. 8	15	Rural - General School - National
3		Gr. 4 & Gr. 8	16	Rural - General School - Russian
9		Gr. 8 only - Region Group 1 - Large	1	Rural - Public
9		Gr. 8 only - Region Group 1 - Large	2	Urban - Public
10		Gr. 8 only - Region Group 1 - Very Large	1	Urban - Public
11		Gr. 8 only - Region Group 2	1	Private
11		Gr. 8 only - Region Group 2	2	Rural - Public
11		Gr. 8 only - Region Group 2	3	Urban - Public
12		Gr. 8 only - Region Group 3	1	Private
12		Gr. 8 only - Region Group 3	2	Rural - Public
12		Gr. 8 only - Region Group 3	3	Urban - Public
13		Gr. 8 only - Region Group 4	1	Private
13		Gr. 8 only - Region Group 4	2	Rural - Public
13		Gr. 8 only - Region Group 4	3	Urban - Public
14		Gr. 8 only - Region Group 5	1	Private
14	Gr. 8 only - Region Group 5	2	Rural - Public	
14	Gr. 8 only - Region Group 5	3	Urban - Public	
15	Gr. 8 only - Region Group 6	1	Private	
15	Gr. 8 only - Region Group 6	2	Rural - Public	
15	Gr. 8 only - Region Group 6	3	Urban - Public	
16	Gr. 8 only - Region Group 7	1	Private	
16	Gr. 8 only - Region Group 7	2	Rural - Public	
16	Gr. 8 only - Region Group 7	3	Urban - Public	
17	Gr. 8 only - Region Group 8	1	Private	
17	Gr. 8 only - Region Group 8	2	Rural - Public	
17	Gr. 8 only - Region Group 8	3	Urban - Public	
18	Gr. 4 & Gr. 8	1	Private	
18	Gr. 4 & Gr. 8	2	Rural - Public	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
MOROCCO	18	Gr. 4 & Gr. 8	3	Urban - Public	
NETHERLANDS	1	Netherlands	1	School Program VMBO	
	1	Netherlands	2	School Program HAVO & VWO	
	1	Netherlands	3	Mixed School Program	
NEW ZEALAND	A	Not Available	A	Not Available	
NORWAY	2	Gr. 8 only & bokmål only	1	All	
	3	Gr. 4 & Gr. 8 & bokmål only	1	All	
	5	Gr. 8 only & other	1	All	
	6	Gr. 4 & Gr. 8 & other	1	All	
	ONTARIO, CANADA	3	Gr. 8 only - English	1	Private Schools
		3	Gr. 8 only - English	2	Public Schools
3		Gr. 8 only - English	3	Separate Schools	
4		Gr. 8 only - French	1	Public Schools	
4		Gr. 8 only - French	2	Separate Schools	
5		Gr. 4 & Gr. 8 - English	1	Private Schools	
5		Gr. 4 & Gr. 8 - English	2	Public Schools	
5		Gr. 4 & Gr. 8 - English	3	Separate Schools	
6		Gr. 4 & Gr. 8 - French	1	Private Schools	
6		Gr. 4 & Gr. 8 - French	2	Public Schools	
6		Gr. 4 & Gr. 8 - French	3	Separate Schools	
PALESTINIAN AUTH.		1	Very Large Schools	1	Gaza Strip - Public - Boys
	1	Very Large Schools	2	Gaza Strip - Public - Girls	
	1	Very Large Schools	3	Gaza Strip - UNRWA - Boys	
	1	Very Large Schools	4	Gaza Strip - UNRWA - Girls	
	2	Large Schools	1	West Bank - Public - Boys	
	2	Large Schools	2	West Bank - Public - Girls	
	2	Large Schools	3	West Bank - Public - Mixed	
	2	Large Schools	4	West Bank - UNRWA - Boys	
	2	Large Schools	5	West Bank - UNRWA - Girls	
	2	Large Schools	6	West Bank - UNRWA - Mixed	
	2	Large Schools	7	West Bank - Private - Boys	
	2	Large Schools	8	West Bank - Private - Girls	
	2	Large Schools	9	West Bank - Private - Mixed	
	2	Large Schools	10	Gaza Strip - Public - Boys	
	2	Large Schools	11	Gaza Strip - Public - Girls	
	2	Large Schools	12	Gaza Strip - Public - Mixed	
	2	Large Schools	13	Gaza Strip - UNRWA - Boys	
	2	Large Schools	14	Gaza Strip - UNRWA - Girls	
	2	Large Schools	15	Gaza Strip - Private - Boys	
	2	Large Schools	16	Gaza Strip - Private - Mixed	
PHILIPPINES	3	Secondary - Public	1	Region NCR	
	3	Secondary - Public	2	Region CAR	
	3	Secondary - Public	3	Region I	
	3	Secondary - Public	4	Region II	
	3	Secondary - Public	5	Region III	
	3	Secondary - Public	6	Region IV-A	
	3	Secondary - Public	7	Region IV-B	
	3	Secondary - Public	8	Region V	
	3	Secondary - Public	9	Region VI	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
PHILIPPINES	3	Secondary - Public	10	Region VII	
	3	Secondary - Public	11	Region VIII	
	3	Secondary - Public	12	Region IX	
	3	Secondary - Public	13	Region X	
	3	Secondary - Public	14	Region XI	
	3	Secondary - Public	15	Region XII	
	3	Secondary - Public	16	Region Caraga	
	4	Secondary - Private	1	Region NCR	
	4	Secondary - Private	2	Region CAR	
	4	Secondary - Private	3	Region I	
	4	Secondary - Private	4	Region II	
	4	Secondary - Private	5	Region III	
	4	Secondary - Private	6	Region IV-A	
	4	Secondary - Private	7	Region IV-B	
	4	Secondary - Private	8	Region V	
	4	Secondary - Private	9	Region VI	
	4	Secondary - Private	10	Region VII	
	4	Secondary - Private	11	Region VIII	
	4	Secondary - Private	12	Region IX	
	4	Secondary - Private	13	Region X	
	4	Secondary - Private	14	Region XI	
	4	Secondary - Private	15	Region XII	
	4	Secondary - Private	16	Region Caraga	
	QUEBEC, CANADA	4	Gr. 8 only - English	1	Private
		4	Gr. 8 only - English	2	Public
		5	Gr. 8 only - English & French	1	Private
		6	Gr. 8 only - French	1	Private
		6	Gr. 8 only - French	2	Public
		7	Gr. 4 & Gr. 8 - English	1	Private
		7	Gr. 4 & Gr. 8 - English	2	Public
		8	Gr. 4 & Gr. 8 - French	1	Private
	8	Gr. 4 & Gr. 8 - French	2	Public	
ROMANIA	1	Romania	1	ALBA - Urban	
	1	Romania	2	ALBA - Rural	
	1	Romania	3	ARAD - Urban	
	1	Romania	4	ARAD - Rural	
	1	Romania	5	ARGES - Urban	
	1	Romania	6	ARGES - Rural	
	1	Romania	7	BACAU - Urban	
	1	Romania	8	BACAU - Rural	
	1	Romania	9	BIHOR - Urban	
	1	Romania	10	BIHOR - Rural	
	1	Romania	11	BISTRITA - Urban	
	1	Romania	12	BISTRITA - Rural	
	1	Romania	13	BOTOSANI - Urban	
	1	Romania	14	BOTOSANI - Rural	
	1	Romania	15	BRAILA - Urban	
	1	Romania	16	BRAILA - Rural	
	1	Romania	17	BRASOV - Urban	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ROMANIA	1	Romania	18	BRASOV - Rural
	1	Romania	19	BUCURESTI - Urban
	1	Romania	20	BUZAU - Urban
	1	Romania	21	BUZAU - Rural
	1	Romania	22	CALARASI - Urban
	1	Romania	23	CALARASI - Rural
	1	Romania	24	CARAS-SEV - Urban
	1	Romania	25	CARAS-SEV - Rural
	1	Romania	26	CLUJ - Urban
	1	Romania	27	CLUJ - Rural
	1	Romania	28	CONSTANTA - Urban
	1	Romania	29	CONSTANTA - Rural
	1	Romania	30	COVASNA - Urban
	1	Romania	31	COVASNA - Rural
	1	Romania	32	DIMBOVITA - Urban
	1	Romania	33	DIMBOVITA - Rural
	1	Romania	34	DOLJ - Urban
	1	Romania	35	DOLJ - Rural
	1	Romania	36	GALATI - Urban
	1	Romania	37	GALATI - Rural
	1	Romania	38	GIURGIU - Urban
	1	Romania	39	GIURGIU - Rural
	1	Romania	40	GORJ - Urban
	1	Romania	41	GORJ - Rural
	1	Romania	42	HARGHITA - Urban
	1	Romania	43	HARGHITA - Rural
	1	Romania	44	HUNEDOARA - Urban
	1	Romania	45	HUNEDOARA - Rural
	1	Romania	46	IALOMITA - Urban
	1	Romania	47	IALOMITA - Rural
	1	Romania	48	IASI - Urban
	1	Romania	49	IASI - Rural
	1	Romania	50	ILFOV - Urban
	1	Romania	51	ILFOV - Rural
	1	Romania	52	MARAMURES - Urban
	1	Romania	53	MARAMURES - Rural
	1	Romania	54	MEHEDINTI - Urban
	1	Romania	55	MEHEDINTI - Rural
	1	Romania	56	MURES - Urban
	1	Romania	57	MURES - Rural
	1	Romania	58	NEAMT - Urban
	1	Romania	59	NEAMT - Rural
	1	Romania	60	OLT - Urban
	1	Romania	61	OLT - Rural
	1	Romania	62	PRAHOVA - Urban
	1	Romania	63	PRAHOVA - Rural
	1	Romania	64	SALAJ - Urban
	1	Romania	65	SALAJ - Rural
	1	Romania	66	SATU-MARE - Urban

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ROMANIA	1	Romania	67	SATU-MARE - Rural
	1	Romania	68	SIBIU - Urban
	1	Romania	69	SIBIU - Rural
	1	Romania	70	SUCEAVA - Urban
	1	Romania	71	SUCEAVA - Rural
	1	Romania	72	TELEORMAN - Urban
	1	Romania	73	TELEORMAN - Rural
	1	Romania	74	TIMIS - Urban
	1	Romania	75	TIMIS - Rural
	1	Romania	76	TULCEA - Urban
	1	Romania	77	TULCEA - Rural
	1	Romania	78	VASLUI - Urban
	1	Romania	79	VASLUI - Rural
	1	Romania	80	VILCEA - Urban
	1	Romania	81	VILCEA - Rural
	1	Romania	82	VRANCEA - Urban
	1	Romania	83	VRANCEA - Rural
RUSSIAN FED.	A	Not Available	A	Not Available
SAUDI ARABIA	1	Saudi Arabia	1	Boys - Government
	1	Saudi Arabia	2	Boys - Private
	1	Saudi Arabia	3	Girls - Government
	1	Saudi Arabia	4	Girls - Private
SCOTLAND	2	Gr. 8 only - Large Schools	1	Low Perf. - Comprehensive to 18
	2	Gr. 8 only - Large Schools	2	Low/Mid Perf. - Comprehensive to 18
	2	Gr. 8 only - Large Schools	3	Mid Perf. - Comprehensive to 18
	2	Gr. 8 only - Large Schools	4	Mid/High Perf. - Comprehensive to 18
	2	Gr. 8 only - Large Schools	5	High Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	1	Low Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	2	Low Perf. - Independent
	3	Gr. 8 only - Other Schools	3	Low/Mid Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	4	Mid Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	5	Mid/High Perf. - Comprehensive to 16
	3	Gr. 8 only - Other Schools	6	Mid/High Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	7	High Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	8	High Perf. - Independent
	3	Gr. 8 only - Other Schools	9	Unknown Perf. - Comprehensive to 16
	3	Gr. 8 only - Other Schools	10	Unknown Perf. - Comprehensive to 18
	3	Gr. 8 only - Other Schools	11	Unknown Perf. - Independent
	3	Gr. 8 only - Other Schools	12	Unknown Perf. - Other
	4	Gr. 4 & Gr. 8	1	Low Perf. - Independent
	4	Gr. 4 & Gr. 8	2	Mid Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	3	Mid/High Perf. - Comprehensive to 16
	4	Gr. 4 & Gr. 8	4	Mid/High Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	5	High Perf. - Comprehensive to 16
	4	Gr. 4 & Gr. 8	6	High Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	7	High Perf. - Independent
	4	Gr. 4 & Gr. 8	8	High Perf. - Other
	4	Gr. 4 & Gr. 8	9	Unknown Perf. - Comprehensive to 16
4	Gr. 4 & Gr. 8	10	Unknown Perf. - Independent	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
SCOTLAND	4	Gr. 4 & Gr. 8	11	Unknown Perf. - Other
SERBIA	1	Serbia	1	Central Serbia - Urban
	1	Serbia	2	Central Serbia - Rural
	1	Serbia	3	Belgrade - Urban
	1	Serbia	4	Belgrade - Rural
	1	Serbia	5	Vojvodina - Urban
	1	Serbia	6	Vojvodina - Rural
SINGAPORE	1	Singapore	1	All
SLOVAK REP.	1	Gymnasium - Slovak	1	Region 1
	1	Gymnasium - Slovak	2	Region 2
	1	Gymnasium - Slovak	3	Region 3
	1	Gymnasium - Slovak	4	Region 4
	1	Gymnasium - Slovak	5	Region 5
	1	Gymnasium - Slovak	6	Region 6
	1	Gymnasium - Slovak	7	Region 7
	1	Gymnasium - Slovak	8	Region 8
	2	Gymnasium - Hungarian	1	Region 2
	2	Gymnasium - Hungarian	2	Region 4
	2	Gymnasium - Hungarian	3	Region 6
	2	Gymnasium - Hungarian	4	Region 8
	3	Basic - Slovak	1	Region 1
	3	Basic - Slovak	2	Region 2
	3	Basic - Slovak	3	Region 3
	3	Basic - Slovak	4	Region 4
	3	Basic - Slovak	5	Region 5
	3	Basic - Slovak	6	Region 6
	3	Basic - Slovak	7	Region 7
	3	Basic - Slovak	8	Region 8
	4	Basic - Hungarian	1	Region 1
	4	Basic - Hungarian	2	Region 2
	4	Basic - Hungarian	3	Region 4
	4	Basic - Hungarian	4	Region 6
	4	Basic - Hungarian	5	Region 8
	SLOVENIA	1	New System in Gr. 4 & Gr. 8	1
1		New System in Gr. 4 & Gr. 8	2	Region 2
1		New System in Gr. 4 & Gr. 8	3	Region 3
1		New System in Gr. 4 & Gr. 8	4	Region 4
1		New System in Gr. 4 & Gr. 8	5	Region 8
1		New System in Gr. 4 & Gr. 8	6	Region 9
2		New System in Gr. 4	1	Region 1
2		New System in Gr. 4	2	Region 2
2		New System in Gr. 4	3	Region 3
2		New System in Gr. 4	4	Region 4
2		New System in Gr. 4	5	Region 5
2		New System in Gr. 4	6	Region 6
2		New System in Gr. 4	7	Region 8
2		New System in Gr. 4	8	Region 9
3		New System in Gr. 8	1	Region 1
3		New System in Gr. 8	2	Region 2

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
SLOVENIA	3	New System in Gr. 8	3	Region 4	
	3	New System in Gr. 8	4	Region 8	
	3	New System in Gr. 8	5	Region 9	
	4	Old System - Very Large	1	Region 1	
	4	Old System - Very Large	2	Region 5	
	5	Old System - Large	1	Region 1	
	5	Old System - Large	2	Region 2	
	5	Old System - Large	3	Region 3	
	5	Old System - Large	4	Region 4	
	5	Old System - Large	5	Region 5	
	5	Old System - Large	6	Region 6	
	5	Old System - Large	7	Region 8	
	5	Old System - Large	8	Region 9	
	SOUTH AFRICA	1	EASTERN CAPE	1	Afrikaans
		1	EASTERN CAPE	2	English
1		EASTERN CAPE	3	English and Afrikaans	
2		FREE STATE	1	Afrikaans	
2		FREE STATE	2	English	
2		FREE STATE	3	English and Afrikaans	
3		GAUTENG	1	English	
4		KWAZULU NATAL	1	Afrikaans	
4		KWAZULU NATAL	2	English	
4		KWAZULU NATAL	3	English and Afrikaans	
5		MPUMALANGA	1	English	
6		NORTH WEST	1	Afrikaans	
6		NORTH WEST	2	English	
6		NORTH WEST	3	English and Afrikaans	
7		NORTHERN CAPE	1	English	
8	NORTHERN PROVINCE	1	English		
9	WESTERN CAPE	1	Afrikaans		
9	WESTERN CAPE	2	English		
9	WESTERN CAPE	3	English and Afrikaans		
SYRIAN ARAB REP.	1	Urban	1	Public - Girls	
	1	Urban	2	Public - Boys	
	1	Urban	3	Public - Mixed	
	1	Urban	4	Private - Girls	
	1	Urban	5	Private - Boys	
	1	Urban	6	Private - Mixed	
	1	Urban	7	UNRWA - Girls	
	1	Urban	8	UNRWA - Boys	
	1	Urban	9	UNRWA - Mixed	
	2	Rural	1	Public - Girls	
	2	Rural	2	Public - Boys	
	2	Rural	3	Public - Mixed	
	2	Rural	4	Private - Girls	
	2	Rural	5	Private - Mixed	
	2	Rural	6	UNRWA - Girls	
2	Rural	7	UNRWA - Boys		
TUNISIA	2	Tunisia	1	High Perf. - TUNIS	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
TUNISIA	2	Tunisia	2	High Perf. - ARIANA
	2	Tunisia	3	High Perf. - BEN AROUS
	2	Tunisia	4	High Perf. - ZAGHOUAN
	2	Tunisia	5	High Perf. - MANNOUBA
	2	Tunisia	6	High Perf. - BIZERTE
	2	Tunisia	7	High Perf. - BEJA
	2	Tunisia	8	High Perf. - JENDOUBA
	2	Tunisia	9	High Perf. - EL KEF
	2	Tunisia	10	High Perf. - SILIANA
	2	Tunisia	11	High Perf. - KASSERINE
	2	Tunisia	12	High Perf. - S.BOUZID
	2	Tunisia	13	High Perf. - GAFSA
	2	Tunisia	14	High Perf. - TOZEUR
	2	Tunisia	15	High Perf. - KEBILLI
	2	Tunisia	16	High Perf. - TATAOUINE
	2	Tunisia	17	High Perf. - MEDENINE
	2	Tunisia	18	High Perf. - GABES
	2	Tunisia	19	High Perf. - SFAX
	2	Tunisia	20	High Perf. - KAIROUAN
	2	Tunisia	21	High Perf. - MAHDIA
	2	Tunisia	22	High Perf. - MONASTIR
	2	Tunisia	23	High Perf. - SOUSSE
	2	Tunisia	24	High Perf. - NABEUL
	2	Tunisia	25	Low Perf. - TUNIS
	2	Tunisia	26	Low Perf. - BEN AROUS
	2	Tunisia	27	Low Perf. - BIZERTE
	2	Tunisia	28	Low Perf. - BEJA
	2	Tunisia	29	Low Perf. - JENDOUBA
	2	Tunisia	30	Low Perf. - EL KEF
	2	Tunisia	31	Low Perf. - KASSERINE
	2	Tunisia	32	Low Perf. - S.BOUZID
	2	Tunisia	33	Low Perf. - GAFSA
	2	Tunisia	34	Low Perf. - MEDENINE
	2	Tunisia	35	Low Perf. - GABES
	2	Tunisia	36	Low Perf. - SFAX
	2	Tunisia	37	Low Perf. - KAIROUAN
	2	Tunisia	38	Low Perf. - MAHDIA
	2	Tunisia	39	Low Perf. - MONASTIR
	2	Tunisia	40	Low Perf. - SOUSSE
	2	Tunisia	41	Low Perf. - NABEUL
	2	Tunisia	42	Unknown Perf. - TUNIS
	2	Tunisia	43	Unknown Perf. - ARIANA
	2	Tunisia	44	Unknown Perf. - BEN AROUS
	2	Tunisia	45	Unknown Perf. - ZAGHOUAN
	2	Tunisia	46	Unknown Perf. - MANNOUBA
	2	Tunisia	47	Unknown Perf. - BIZERTE
	2	Tunisia	48	Unknown Perf. - BEJA
	2	Tunisia	49	Unknown Perf. - JENDOUBA
	2	Tunisia	50	Unknown Perf. - EL KEF

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
TUNISIA	2	Tunisia	51	Unknown Perf. - KASSERINE
	2	Tunisia	52	Unknown Perf. - S.BOUZID
	2	Tunisia	53	Unknown Perf. - GAFSA
	2	Tunisia	54	Unknown Perf. - KEBILLI
	2	Tunisia	55	Unknown Perf. - TATAQUINE
	2	Tunisia	56	Unknown Perf. - MEDENINE
	2	Tunisia	57	Unknown Perf. - GABES
	2	Tunisia	58	Unknown Perf. - SFAX
	2	Tunisia	59	Unknown Perf. - KAIROUAN
	2	Tunisia	60	Unknown Perf. - MAHDIA
	2	Tunisia	61	Unknown Perf. - MONASTIR
	2	Tunisia	62	Unknown Perf. - SOUSSE
	2	Tunisia	63	Unknown Perf. - NABEUL
UNITED STATES	3	United States of America	1	Public - North East - Large Central City - High Minority
	3	United States of America	2	Public - North East - Large Central City - Low Minority
	3	United States of America	3	Public - North East - Mid-size Central City - Low Minority
	3	United States of America	4	Public - North East - Mid-size Central City - High Minority
	3	United States of America	5	Public - North East - Suburb of LCC - High Minority
	3	United States of America	6	Public - North East - Suburb of LCC - Low Minority
	3	United States of America	7	Public - North East - Suburb of MCC - Low Minority
	3	United States of America	8	Public - North East - Suburb of MCC - High Minority
	3	United States of America	9	Public - North East - Large Town - High Minority
	3	United States of America	10	Public - North East - Large Town - Low Minority
	3	United States of America	11	Public - North East - Small Town - Low Minority
	3	United States of America	12	Public - North East - Small Town - High Minority
	3	United States of America	13	Public - North East - Rural outside MSA - High Minority
	3	United States of America	14	Public - North East - Rural outside MSA - Low Minority
	3	United States of America	15	Public - North East - Rural inside MSA - Low Minority
	3	United States of America	16	Public - North East - Rural inside MSA - High Minority
	3	United States of America	17	Public - South East - Rural inside MSA - High Minority
	3	United States of America	18	Public - South East - Rural inside MSA - Low Minority
	3	United States of America	19	Public - South East - Rural outside MSA - Low Minority
	3	United States of America	20	Public - South East - Rural outside MSA - High Minority
	3	United States of America	21	Public - South East - Small Town - High Minority
	3	United States of America	22	Public - South East - Small Town - Low Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	3	United States of America	23	Public - South East - Large Town - Low Minority
	3	United States of America	24	Public - South East - Large Town - High Minority
	3	United States of America	25	Public - South East - Suburb of MCC - High Minority
	3	United States of America	26	Public - South East - Suburb of MCC - Low Minority
	3	United States of America	27	Public - South East - Suburb of LCC - Low Minority
	3	United States of America	28	Public - South East - Suburb of LCC - High Minority
	3	United States of America	29	Public - South East - Mid-size Central City - High Minority
	3	United States of America	30	Public - South East - Mid-size Central City - Low Minority
	3	United States of America	31	Public - South East - Large Central City - Low Minority
	3	United States of America	32	Public - South East - Large Central City - High Minority
	3	United States of America	33	Public - Midwest - Large Central City - High Minority
	3	United States of America	34	Public - Midwest - Large Central City - Low Minority
	3	United States of America	35	Public - Midwest - Mid-size Central City - Low Minority
	3	United States of America	36	Public - Midwest - Mid-size Central City - High Minority
	3	United States of America	37	Public - Midwest - Suburb of LCC - High Minority
	3	United States of America	38	Public - Midwest - Suburb of LCC - Low Minority
	3	United States of America	39	Public - Midwest - Suburb of MCC - Low Minority
	3	United States of America	40	Public - Midwest - Suburb of MCC - High Minority
	3	United States of America	41	Public - Midwest - Large Town - High Minority
	3	United States of America	42	Public - Midwest - Large Town - Low Minority
	3	United States of America	43	Public - Midwest - Small Town - Low Minority
	3	United States of America	44	Public - Midwest - Small Town - High Minority
	3	United States of America	45	Public - Midwest - Rural outside MSA - High Minority
	3	United States of America	46	Public - Midwest - Rural outside MSA - Low Minority
	3	United States of America	47	Public - Midwest - Rural inside MSA - Low Minority
	3	United States of America	48	Public - Midwest - Rural inside MSA - High Minority
	3	United States of America	49	Public - West - Rural inside MSA - High Minority
	3	United States of America	50	Public - West - Rural inside MSA - Low Minority
	3	United States of America	51	Public - West - Rural outside MSA - Low Minority
	3	United States of America	52	Public - West - Rural outside MSA - High Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	3	United States of America	53	Public - West - Small Town - High Minority
	3	United States of America	54	Public - West - Small Town - Low Minority
	3	United States of America	55	Public - West - Large Town - Low Minority
	3	United States of America	56	Public - West - Large Town - High Minority
	3	United States of America	57	Public - West - Suburb of MCC - High Minority
	3	United States of America	58	Public - West - Suburb of MCC - Low Minority
	3	United States of America	59	Public - West - Suburb of LCC - Low Minority
	3	United States of America	60	Public - West - Suburb of LCC - High Minority
	3	United States of America	61	Public - West - Mid-size Central City - High Minority
	3	United States of America	62	Public - West - Mid-size Central City - Low Minority
	3	United States of America	63	Public - West - Large Central City - Low Minority
	3	United States of America	64	Public - West - Large Central City - High Minority
	3	United States of America	65	Private - West - Large Central City - High Minority
	3	United States of America	66	Private - West - Large Central City - Low Minority
	3	United States of America	67	Private - West - Mid-size Central City - Low Minority
	3	United States of America	68	Private - West - Mid-size Central City - High Minority
	3	United States of America	69	Private - West - Suburb of LCC - High Minority
	3	United States of America	70	Private - West - Suburb of LCC - Low Minority
	3	United States of America	71	Private - West - Suburb of MCC - Low Minority
	3	United States of America	72	Private - West - Suburb of MCC - High Minority
	3	United States of America	73	Private - West - Large Town - High Minority
	3	United States of America	74	Private - West - Large Town - Low Minority
	3	United States of America	75	Private - West - Small Town - Low Minority
	3	United States of America	76	Private - West - Small Town - High Minority
	3	United States of America	77	Private - West - Rural outside MSA - High Minority
	3	United States of America	78	Private - West - Rural outside MSA - Low Minority
	3	United States of America	79	Private - West - Rural inside MSA - Low Minority
	3	United States of America	80	Private - West - Rural inside MSA - High Minority
	3	United States of America	81	Private - Midwest - Rural inside MSA - High Minority
	3	United States of America	82	Private - Midwest - Rural inside MSA - Low Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	3	United States of America	83	Private - Midwest - Rural outside MSA - Low Minority
	3	United States of America	84	Private - Midwest - Rural outside MSA - High Minority
	3	United States of America	85	Private - Midwest - Small Town - High Minority
	3	United States of America	86	Private - Midwest - Small Town - Low Minority
	3	United States of America	87	Private - Midwest - Large Town - Low Minority
	3	United States of America	88	Private - Midwest - Large Town - High Minority
	3	United States of America	89	Private - Midwest - Suburb of MCC - High Minority
	3	United States of America	90	Private - Midwest - Suburb of MCC - Low Minority
	3	United States of America	91	Private - Midwest - Suburb of LCC - Low Minority
	3	United States of America	92	Private - Midwest - Suburb of LCC - High Minority
	3	United States of America	93	Private - Midwest - Mid-size Central City - High Minority
	3	United States of America	94	Private - Midwest - Mid-size Central City - Low Minority
	3	United States of America	95	Private - Midwest - Large Central City - Low Minority
	3	United States of America	96	Private - Midwest - Large Central City - High Minority
	3	United States of America	97	Private - South East - Large Central City - High Minority
	3	United States of America	98	Private - South East - Large Central City - Low Minority
	3	United States of America	99	Private - South East - Mid-size Central City - Low Minority
	3	United States of America	100	Private - South East - Mid-size Central City - High Minority
	3	United States of America	101	Private - South East - Suburb of LCC - High Minority
	3	United States of America	102	Private - South East - Suburb of LCC - Low Minority
	3	United States of America	103	Private - South East - Suburb of MCC - Low Minority
	3	United States of America	104	Private - South East - Suburb of MCC - High Minority
	3	United States of America	105	Private - South East - Large Town - High Minority
	3	United States of America	106	Private - South East - Large Town - Low Minority
3	United States of America	107	Private - South East - Small Town - Low Minority	
3	United States of America	108	Private - South East - Small Town - High Minority	
3	United States of America	109	Private - South East - Rural outside MSA - High Minority	
3	United States of America	110	Private - South East - Rural outside MSA - Low Minority	
3	United States of America	111	Private - South East - Rural inside MSA - Low Minority	
3	United States of America	112	Private - South East - Rural inside MSA - High Minority	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	3	United States of America	113	Private - North East - Rural inside MSA - High Minority
	3	United States of America	114	Private - North East - Rural inside MSA - Low Minority
	3	United States of America	115	Private - North East - Rural outside MSA - Low Minority
	3	United States of America	116	Private - North East - Rural outside MSA - High Minority
	3	United States of America	117	Private - North East - Small Town - High Minority
	3	United States of America	118	Private - North East - Small Town - Low Minority
	3	United States of America	119	Private - North East - Large Town - Low Minority
	3	United States of America	120	Private - North East - Large Town - High Minority
	3	United States of America	121	Private - North East - Suburb of MCC - High Minority
	3	United States of America	122	Private - North East - Suburb of MCC - Low Minority
	3	United States of America	123	Private - North East - Suburb of LCC - Low Minority
	3	United States of America	124	Private - North East - Suburb of LCC - High Minority
	3	United States of America	125	Private - North East - Mid-size Central City - High Minority
	3	United States of America	126	Private - North East - Mid-size Central City - Low Minority
	3	United States of America	127	Private - North East - Large Central City - Low Minority
	3	United States of America	128	Private - North East - Large Central City - High Minority

Section 6

Fourth Grade – Student Questionnaire

Section 6: Fourth Grade - Student Questionnaire

SQ1-01A-B

Question:

When were you born?

A: Year

- 1 = 1990
- 2 = 1991
- 3 = 1992
- 4 = 1993
- 5 = 1994
- 6 = 1995
- 7 = 1996
- 8 = Other

B: Month

- 1 = January
- 2 = February
- 3 = March
- 4 = April
- 5 = May
- 6 = June
- 7 = July
- 8 = August
- 9 = September
- 10 = October
- 11 = November
- 12 = December

Variable Name(s): ASGBRBTY, ASGBRTM

Country	Item ID	Code	Documentation
YEMEN	SQ1-01A	D	National options recoded to fit international categories: 1 = 1990 2 = 1991 3 = 1992 4 = 1993 5 = 1994 6 = 1995 7 = Option not administered or data not available 8 = Other

SQ1-05A-P**Question:**

Do you have any of these items at your home?

A: Calculator

B: Computer (do not include PlayStation, GameCube, Xbox, or other TV/video game computers)

C: Study desk/table for your use

D: Dictionary

E: <country-specific>

F: <country-specific>

G: <country-specific>

H: <country-specific>

I: <country-specific>

J: <country-specific>

K: <country-specific>

L: <country-specific>

M: <country-specific>

N: <country-specific>

O: <country-specific>

P: <country-specific>

1 = Yes

2 = No

Variable Name(s): ASBGPS01, ASBGPS02, ASBGPS03, ASBGPS04, ASBGPS05, ASBGPS06, ASBGPS07, ASBGPS08, ASBGPS09, ASBGPS10, ASBGPS11, ASBGPS12, ASBGPS13, ASBGPS14, ASBGPS15, ASBGPS16

Country	Item ID	Code	Documentation
ARMENIA	SQ1-05E	D	Bible
ARMENIA	SQ1-05F-P	X	Option not administered or data not available
AUSTRALIA	SQ1-05E	D	Mobile phone
AUSTRALIA	SQ1-05F	D	Musical instrument
AUSTRALIA	SQ1-05G	D	Internet connection
AUSTRALIA	SQ1-05H	D	DVD player
AUSTRALIA	SQ1-05I	D	Dishwasher
AUSTRALIA	SQ1-05J	D	Microwave oven
AUSTRALIA	SQ1-05K-P	X	Option not administered or data not available
BELGIUM (FLEMISH)	SQ1-05E	D	An encyclopdia
BELGIUM (FLEMISH)	SQ1-05F	D	Newspapers
BELGIUM (FLEMISH)	SQ1-05G	D	Atlas, globe or map of the world
BELGIUM (FLEMISH)	SQ1-05H	D	Television
BELGIUM (FLEMISH)	SQ1-05I	D	Video/DVD player
BELGIUM (FLEMISH)	SQ1-05J	D	Internet connection
BELGIUM (FLEMISH)	SQ1-05K	D	Car
BELGIUM (FLEMISH)	SQ1-05L	D	Garden
BELGIUM (FLEMISH)	SQ1-05M-P	X	Option not administered or data not available
CHINESE TAIPEI	SQ1-05E	D	Encyclopedia
CHINESE TAIPEI	SQ1-05F	D	Compact disc, software or videotape for learning math
CHINESE TAIPEI	SQ1-05G	D	Reference books for learning math
CHINESE TAIPEI	SQ1-05H	D	Extracurricular books for learning math (including monthly magazines, comic books for math)
CHINESE TAIPEI	SQ1-05I	D	Tools for learning math (including mathematical toys/games, blocks etc.)
CHINESE TAIPEI	SQ1-05J	D	Compact disc, software or videotapes for learning science

CHINESE TAIPEI	SQ1-05K	D	Reference books for learning science
CHINESE TAIPEI	SQ1-05L	D	Extracurricular books for learning science (monthly magazines, biographies of scientists etc.)
CHINESE TAIPEI	SQ1-05M	D	Tools for learning science (including magnifying glasses, microscopes, telescopes etc.)
CHINESE TAIPEI	SQ1-05N	D	Pets or plants that are taken care of by you
CHINESE TAIPEI	SQ1-05O	D	Cable TV
CHINESE TAIPEI	SQ1-05P	D	Room of your own or shared with siblings
CYPRUS	SQ1-05E	D	Encyclopedia
CYPRUS	SQ1-05F-P	X	Option not administered or data not available
ENGLAND	SQ1-05E	D	Own bedroom
ENGLAND	SQ1-05F	D	Mobile phone
ENGLAND	SQ1-05G	D	Encyclopedia (book or CD-ROM)
ENGLAND	SQ1-05H-P	X	Option not administered or data not available
HONG KONG	SQ1-05E	D	Electronic dictionary
HONG KONG	SQ1-05F	D	Refrigerator
HONG KONG	SQ1-05G	D	Television
HONG KONG	SQ1-05H	D	Washing machine
HONG KONG	SQ1-05I	D	Drying machine
HONG KONG	SQ1-05J	D	Air conditioner
HONG KONG	SQ1-05K	D	Laser disc player (including DVD player)
HONG KONG	SQ1-05L	D	Karaoke
HONG KONG	SQ1-05M	D	Car
HONG KONG	SQ1-05N	D	Your own room
HONG KONG	SQ1-05O	D	Two or more bathrooms
HONG KONG	SQ1-05P	D	Room for domestic helper
HUNGARY	SQ1-05E	D	VCR
HUNGARY	SQ1-05F	D	Car
HUNGARY	SQ1-05G	D	Your own TV/VCR
HUNGARY	SQ1-05H	D	CD player
HUNGARY	SQ1-05I	D	Your own separate room
HUNGARY	SQ1-05J	D	Internet access
HUNGARY	SQ1-05K	D	Dishwasher
HUNGARY	SQ1-05L	D	Educational software
HUNGARY	SQ1-05M	D	Lexicon
HUNGARY	SQ1-05N-P	X	Option not administered or data not available
INDIANA, US	SQ1-05E	D	Encyclopedia (as a CD or book)
INDIANA, US	SQ1-05F	D	Playstation, GameCube, XBox or other TV game system
INDIANA, US	SQ1-05G	D	DVD player
INDIANA, US	SQ1-05H	D	Three or more cars, small trucks or sport utility vehicles
INDIANA, US	SQ1-05I-P	X	Option not administered or data not available
IRAN, ISLAMIC REP.	SQ1-05E	D	Radio
IRAN, ISLAMIC REP.	SQ1-05F	D	Television
IRAN, ISLAMIC REP.	SQ1-05G	D	Phone
IRAN, ISLAMIC REP.	SQ1-05H	D	Car

IRAN, ISLAMIC REP.	SQ1-05I	D	Mobile phone
IRAN, ISLAMIC REP.	SQ1-05J	D	Video
IRAN, ISLAMIC REP.	SQ1-05K	D	Camera
IRAN, ISLAMIC REP.	SQ1-05L	D	Washing machine
IRAN, ISLAMIC REP.	SQ1-05M-P	X	Option not administered or data not available
ITALY	SQ1-05E	D	Books other than school books
ITALY	SQ1-05F	D	Multimedial encyclopedia
ITALY	SQ1-05G	D	Your own room or place of study
ITALY	SQ1-05H	D	Your own television
ITALY	SQ1-05I	D	Washing machine
ITALY	SQ1-05J	D	Microwave oven
ITALY	SQ1-05K	D	Satellite dish
ITALY	SQ1-05L	D	Video camera
ITALY	SQ1-05M	D	Your own cell phone
ITALY	SQ1-05N	D	Air conditioner
ITALY	SQ1-05O	D	Anti-theft device
ITALY	SQ1-05P	X	Option not administered or data not available
JAPAN	SQ1-05E	D	Notebook
JAPAN	SQ1-05F	D	Textbook
JAPAN	SQ1-05G	D	Internet
JAPAN	SQ1-05H	D	Triangle (set square)
JAPAN	SQ1-05I	D	Compasses
JAPAN	SQ1-05J	D	Microscope
JAPAN	SQ1-05K	D	Telescope
JAPAN	SQ1-05L	D	Terrestrial globe
JAPAN	SQ1-05M	D	Animal guide
JAPAN	SQ1-05N	D	Plant guide
JAPAN	SQ1-05O	D	Magnifying glass
JAPAN	SQ1-05P	D	Encyclopedia
LATVIA	SQ1-05E	D	Encyclopedia
LATVIA	SQ1-05F	D	Atlas or globe
LATVIA	SQ1-05G	D	Daily newspaper
LATVIA	SQ1-05H	D	Monthly journal
LATVIA	SQ1-05I	D	Video recorder
LATVIA	SQ1-05J	D	Audio tape recorder
LATVIA	SQ1-05K	D	CD player
LATVIA	SQ1-05L	D	Electronic game
LATVIA	SQ1-05M	D	Walkman, discman
LATVIA	SQ1-05N	D	Bicycle
LATVIA	SQ1-05O	D	Car
LATVIA	SQ1-05P	D	Your own room at home
LITHUANIA	SQ1-05E	D	Encyclopedia
LITHUANIA	SQ1-05F	D	Newspapers and magazines
LITHUANIA	SQ1-05G-P	X	Option not administered or data not available
MOLDOVA, REP. OF	SQ1-05E	D	TV

MOLDOVA, REP. OF	SQ1-05F	D	Video
MOLDOVA, REP. OF	SQ1-05G	D	Camera
MOLDOVA, REP. OF	SQ1-05H	D	Tape recorder
MOLDOVA, REP. OF	SQ1-05I	D	Telephone
MOLDOVA, REP. OF	SQ1-05J	D	Own room
MOLDOVA, REP. OF	SQ1-05K	D	Bicycle
MOLDOVA, REP. OF	SQ1-05L	D	Car
MOLDOVA, REP. OF	SQ1-05M	D	Pet
MOLDOVA, REP. OF	SQ1-05N-P	X	Option not administered or data not available
MOROCCO	SQ1-05E	D	Geometric tools
MOROCCO	SQ1-05F	D	Internet access
MOROCCO	SQ1-05G	D	Games
MOROCCO	SQ1-05H	D	Access to educational TV channels
MOROCCO	SQ1-05I-P	X	Option not administered or data not available
NETHERLANDS	SQ1-05E-P	X	Option not administered or data not available
NEW ZEALAND	SQ1-05E	D	Television
NEW ZEALAND	SQ1-05F	D	Musical instruments (eg. piano, guitar)
NEW ZEALAND	SQ1-05G	D	CD player
NEW ZEALAND	SQ1-05H	D	Video camera
NEW ZEALAND	SQ1-05I	D	Cell phone
NEW ZEALAND	SQ1-05J	D	Clothes dryer
NEW ZEALAND	SQ1-05K	D	Dish washer
NEW ZEALAND	SQ1-05L	D	Two bathrooms
NEW ZEALAND	SQ1-05M	D	Second car
NEW ZEALAND	SQ1-05N	D	Video games (e.g. Playstation)
NEW ZEALAND	SQ1-05O	D	Educational computer software (e.g. Encarta-Microsoft encyclopedia)
NEW ZEALAND	SQ1-05P	X	Option not administered or data not available
NORWAY	SQ1-05E	D	Encyclopedia
NORWAY	SQ1-05F	D	Atlas
NORWAY	SQ1-05G	D	Globe
NORWAY	SQ1-05H	D	Binoculars
NORWAY	SQ1-05I	D	Aquarium
NORWAY	SQ1-05J	D	Piano
NORWAY	SQ1-05K	D	Cottage and/or cabin cruiser
NORWAY	SQ1-05L	D	Video recorder
NORWAY	SQ1-05M	D	Video camera
NORWAY	SQ1-05N	D	More than one TV
NORWAY	SQ1-05O	D	More than one bathroom
NORWAY	SQ1-05P	D	More than one car
ONTARIO, CANADA	SQ1-05E	D	Computer with Internet access
ONTARIO, CANADA	SQ1-05F-P	X	Option not administered or data not available
PHILIPPINES	SQ1-05E	D	Encyclopedia
PHILIPPINES	SQ1-05F	D	Radio
PHILIPPINES	SQ1-05G	D	Television (without cable)
PHILIPPINES	SQ1-05H	D	Cable TV

PHILIPPINES	SQ1-05I	D	VHS/VCD/DVD
PHILIPPINES	SQ1-05J	D	Cell phone
PHILIPPINES	SQ1-05K	D	E-mail/Internet
PHILIPPINES	SQ1-05L-P	X	Option not administered or data not available
QUEBEC, CANADA	SQ1-05E	D	Computer with Internet access
QUEBEC, CANADA	SQ1-05F-P	X	Option not administered or data not available
RUSSIAN FED.	SQ1-05E	D	Videorecorder
RUSSIAN FED.	SQ1-05F	D	Videocamera
RUSSIAN FED.	SQ1-05G	D	Mobile phone (personally yours)
RUSSIAN FED.	SQ1-05H	D	TV set (two or more)
RUSSIAN FED.	SQ1-05I	D	Dishwasher
RUSSIAN FED.	SQ1-05J	D	Piano
RUSSIAN FED.	SQ1-05K	D	Car (one or more)
RUSSIAN FED.	SQ1-05L	D	Your private room
RUSSIAN FED.	SQ1-05M	D	Country cottage (with two or more floors)
RUSSIAN FED.	SQ1-05N	D	Musical instruments
RUSSIAN FED.	SQ1-05O	D	Items of art (pictures, antiques etc.)
RUSSIAN FED.	SQ1-05P	D	Fiction
SCOTLAND	SQ1-05E	D	Own bedroom
SCOTLAND	SQ1-05F	D	Mobile phone
SCOTLAND	SQ1-05G	D	Encyclopedia (book or CD-ROM)
SCOTLAND	SQ1-05H-P	X	Option not administered or data not available
SINGAPORE	SQ1-05E	D	Microwave/oven
SINGAPORE	SQ1-05F	D	Car
SINGAPORE	SQ1-05G	D	Air conditioner
SINGAPORE	SQ1-05H	D	Piano/organ/violin
SINGAPORE	SQ1-05I	D	Domestic help (e.g. maid)
SINGAPORE	SQ1-05J	D	Internet
SINGAPORE	SQ1-05K-P	X	Option not administered or data not available
SLOVENIA	SQ1-05E	D	Own room
SLOVENIA	SQ1-05F	D	Own mobile phone
SLOVENIA	SQ1-05G	D	Gameboy, Playstation or similar
SLOVENIA	SQ1-05H	D	Own skis, rollerblades or snowboard
SLOVENIA	SQ1-05I	D	Dictionary of Slovene language
SLOVENIA	SQ1-05J	D	More than one TV
SLOVENIA	SQ1-05K	D	More than one car
SLOVENIA	SQ1-05L	D	Dishwasher
SLOVENIA	SQ1-05M	D	Dryer
SLOVENIA	SQ1-05N	D	Video camera
SLOVENIA	SQ1-05O	D	Daily newspaper
SLOVENIA	SQ1-05P	D	At least once a year, I go on a vacation with my parents, to a place outside my hometown (seaside, spa, skiing, mountains)
TUNISIA	SQ1-05E	D	Geometric materials
TUNISIA	SQ1-05F	D	Library
TUNISIA	SQ1-05G	D	Internet access

TUNISIA	SQ1-05H	D	Didactic materials
TUNISIA	SQ1-05I	D	Didactic games
TUNISIA	SQ1-05J	D	Audiovisual materials
TUNISIA	SQ1-05K	D	Games
TUNISIA	SQ1-05L	D	Drawing materials
TUNISIA	SQ1-05M	D	Educational channel
TUNISIA	SQ1-05N	D	Television
TUNISIA	SQ1-05O	D	Video
TUNISIA	SQ1-05P	D	Telephone
UNITED STATES	SQ1-05E	D	Encyclopedia (as a CD or book)
UNITED STATES	SQ1-05F	D	Playstation, GameCube, Xbox or other TV game system
UNITED STATES	SQ1-05G	D	DVD player
UNITED STATES	SQ1-05H	D	Three or more cars, small trucks or sport utility vehicles
UNITED STATES	SQ1-05I-P	X	Option not administered or data not available
YEMEN	SQ1-05E	D	Geometric drawing tools
YEMEN	SQ1-05F	D	Educational aids like CDs and geometric boards
YEMEN	SQ1-05G	D	TV
YEMEN	SQ1-05H	D	Educational videotapes
YEMEN	SQ1-05I	D	Telephone
YEMEN	SQ1-05J	D	Educational channels (satellite)
YEMEN	SQ1-05K	D	Internet
YEMEN	SQ1-05L	D	Art drawing tools
YEMEN	SQ1-05M	D	Music instruments
YEMEN	SQ1-05N	D	Sport tools
YEMEN	SQ1-05O	D	Home is connected with the electricity circuit
YEMEN	SQ1-05P	D	Home is connected with the fresh water circuit

SQ1-07A-J**Question:**

How often do you do these things in your mathematics lessons?

A: I practice adding, subtracting, multiplying, and dividing without using a calculator

B: I work on fractions and decimals

C: I measure things in the classroom and around the school

D: I make tables, charts, or graphs

E: I learn about shapes such as circles, triangles, and rectangles

F: I work with other students in small groups

G: I explain my answers

H: I listen to the teacher talk

I: I work problems on my own

J: I use a calculator

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

Variable Name(s): ASBMHASHM, ASBMHWFD, ASBMHMCL, ASBMHTCG, ASBMHCTR, ASBMHWSG, ASBMHEXP, ASBMHLTT, ASBMHWPO, ASBMHCAL

Country	Item ID	Code	Documentation
RUSSIAN FED.	SQ1-07A-J	X	Question not administered or data not available

SQ1-09A-H**Question:**

In school, how often do you do these things?

A: I watch the teacher do a science experiment

B: I design or plan a science experiment or investigation

C: I do a science experiment or investigation

D: I work with other students in a small group on a science experiment or investigation

E: I write or give an explanation for something I am studying in science

F: I look at something like the weather or a plant growing and write down what I see

G: I listen to the teacher talk

H: I work problems on my own

1 = At least once a week

2 = Once or twice a month

3 = A few times a year

4 = Never

Variable Name(s): ASBSWATE, ASBSHPEX, ASBSDSEI, ASBSHWGX, ASBSWESS, ASBSLWPS, ASBSHLTT, ASBSHWPX

Country	Item ID	Code	Documentation
RUSSIAN FED.	SQ1-09A-H	X	Question not administered or data not available

SQ1-10BA-BF**Question:**

Where do you use a computer?

A: At home

B: At school

C: At a library

D: At a friend's home

E: At an Internet café

F: Elsewhere

1 = Yes

2 = No

Variable Name(s): ASBGCHOM, ASBGCSCH, ASBGCLIB, ASBGCFRH, ASBGCCAF, ASBGCELS

Country	Item ID	Code	Documentation
LITHUANIA	SQ1-10BE	X	Question not administered or data not available
LITHUANIA	SQ1-10BF	D	Elsewhere / At parent's working place

SQ1-12A-E**Question:**

In school, did any of these things happen during the last month?

A: Something of mine was stolen

B: I was hit or hurt by other student(s) (for example, shoving, hitting, kicking)

C: I was made to do things I didn't want to do by other students

D: I was made fun of or called names

E: I was left out of activities by other students

1 = Yes

2 = No

Variable Name(s): ASBGSTOL, ASBGHURT, ASBGMADE, ASBGMFUN, ASBGLEFT

Country	Item ID	Code	Documentation
INDIANA, US	SQ1-12A-E	X	Question not administered or data not available
NETHERLANDS	SQ1-12E	D	I was left out of playing games by other students.
UNITED STATES	SQ1-12A-E	X	Question not administered or data not available

SQ1-13A-H**Question:**

On a normal school day, how much time do you spend before or after school doing each of these things?

A: I watch television and videos

B: I play computer games

C: I play or talk with friends

D: I do jobs at home

E: I play sports

F: I read a book for enjoyment;

G: I use the Internet

H: I do homework

1 = No time

2 = Less than 1 hour

3 = 1 - 2 hours

4 = More than 2 but less than 4 hours

5 = 4 or more hours

Variable Name(s): ASBGWATV, ASBGPLCG, ASBGPLFD, ASBGJOHM, ASBGPLSP, ASBGREBO, ASBGUSIN, ASBGDOHW

Country	Item ID	Code	Documentation
NETHERLANDS	SQ1-13D	D	I do jobs (washing the dishes and taking care of pets) at home.

SQ1-18A-B**Question:**

A: Was your mother (or stepmother or female guardian) born in <country>?

B: Was your father (or stepfather or male guardian) born in <country>?

1 = Yes

2 = No

Variable Name(s): ASBGMBRN, ASBGFBRN

Country	Item ID	Code	Documentation
AUSTRALIA	SQ1-18A	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
AUSTRALIA	SQ1-18B	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
NEW ZEALAND	SQ1-18A	D	Stem of the question changed: In what country were you and your parents (or stepparents or guardians) born? a) Mother (or stepmother or female guardian) Nationally defined options: 1 = New Zealand 2 = Another country
NEW ZEALAND	SQ1-18B	D	Stem of the question changed: In what country were you and your parents (or stepparents or guardians) born? b) Father (or stepfather or male guardian) Nationally defined options: 1 = New Zealand 2 = Another country

SQ1-19A-B**Question:**

A: Were you born in <country>?

1 = Yes

2 = No

B: If you were not born in <country>, how old were you when you came to <country>?

1 = Older than 5 years old

2 = 1 to 5 years old

3 = Younger than 1 year old

Variable Name(s): ASBGBORN, ASBGBRNC

Country	Item ID	Code	Documentation
AUSTRALIA	SQ1-19A	D	National options recoded to fit international categories: 1 = Australia 2 = Another country
INDIANA, US	SQ1-19B	D	National options recoded to fit international categories: 1 = Older than 5 years old 2 = 1 to 5 years old 3 = Younger than 1 year old
NEW ZEALAND	SQ1-19A	D	Asked in national question 18c: In what country were you and your parents (or stepparents or guardians) born? c) You Nationally defined options: 1 = New Zealand 2 = Another country
PHILIPPINES	SQ1-19B	D	National options recoded to fit international categories: 1 = Older than 5 years old 2 = 1 to 5 years old 3 = Younger than 1 year old
UNITED STATES	SQ1-19B	D	National options recoded to fit international categories: 1 = Older than 5 years old 2 = 1 to 5 years old 3 = Younger than 1 year old

ITLANG**Question:**

LANGUAGE OF TEST

Variable Name(s): ITLANG

Country	Item ID	Code	Documentation
ARMENIA	ITLANG	D	1 = Armenian
AUSTRALIA	ITLANG	D	1 = English
BELGIUM (FLEMISH)	ITLANG	D	1 = Dutch
CHINESE TAIPEI	ITLANG	D	1 = Mandarin (Chinese)
CYPRUS	ITLANG	D	1 = Greek
ENGLAND	ITLANG	D	1 = English
HONG KONG	ITLANG	D	1 = Chinese
HUNGARY	ITLANG	D	1 = Hungarian
INDIANA, US	ITLANG	D	1 = English
IRAN, ISLAMIC REP.	ITLANG	D	1 = Farsi
ITALY	ITLANG	D	1 = Italian
JAPAN	ITLANG	D	1 = Japanese
LATVIA	ITLANG	D	1 = Latvian 2 = Russian
LITHUANIA	ITLANG	D	1 = Lithuanian
MOLDOVA, REP. OF	ITLANG	D	1 = Moldavian 2 = Russian
MOROCCO	ITLANG	D	1 = Arabic
NETHERLANDS	ITLANG	D	1 = Dutch
NEW ZEALAND	ITLANG	D	1 = English 2 = Maori
NORWAY	ITLANG	D	1 = Norwegian
ONTARIO, CANADA	ITLANG	D	1 = English 2 = French
PHILIPPINES	ITLANG	D	1 = English
QUEBEC, CANADA	ITLANG	D	1 = English 2 = French
RUSSIAN FED.	ITLANG	D	1 = Russian
SCOTLAND	ITLANG	D	1 = English
SINGAPORE	ITLANG	D	1 = English
SLOVENIA	ITLANG	D	1 = Slovene
TUNISIA	ITLANG	D	1 = Arabic
UNITED STATES	ITLANG	D	1 = English
YEMEN	ITLANG	D	1 = Arabic

Section 7

Fourth Grade – Teacher Questionnaire

Section 7: Fourth Grade - Teacher Questionnaire

TQ1-03

Question:

By the end of this school year, how many years will you have been teaching altogether?

Variable Name(s): ATBGTAUT

Country	Item ID	Code	Documentation
INDIANA, US	TQ1-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time
UNITED STATES	TQ1-03	D	Stem of the question changed: By the end of this school year, how many years will you have been teaching altogether? Do not include teaching as a substitute or student teacher. 3A = Number of years you have taught full time 3B= Number of years you have taught part time National options recoded to fit international question: Calculated number of years taught full time plus number of years taught part time

TQ1-04**Question:**

What is the highest level of formal education you have completed?

- 1 = Did not complete <ISCED 3>
- 2 = Finished <ISCED 3>
- 3 = Finished <ISCED 4B>
- 4 = Finished <ISCED 5B>
- 5 = Finished <ISCED 5A, first degree>
- 6 = Finished <ISCED 5A, second degree> or higher

Variable Name(s): ATBGFEDC

Country	Item ID	Code	Documentation
ARMENIA	TQ1-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Secondary general education (10 years) / Uncompleted higher education 3 = Preliminary professional education 4 = Option not administered or data not available 5 = Higher education 6 = Higher professional education or higher
AUSTRALIA	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school or apprenticeship 3 = Option not administered or data not available 4 = TAFE or College diploma or certificate 5 = Bachelor's degree 6 = Post graduate Diploma / Finished Master's degree or higher
BELGIUM (FLEMISH)	TQ1-04	D	Gang punched to "College education" (Finished ISCED 5B)
CHINESE TAIPEI	TQ1-04	D	Nationally defined options: 1 = Did not complete senior high school, vocational school or equivalent 2 = Teacher school, senior high school, vocational school 3 = Vocational high school 4 = College/junior college of technology 5 = Bachelor's degree 6 = Master's degree or PhD
CYPRUS	TQ1-04	D	Nationally defined options: 1 = Did not complete lyceum 2 = Lyceum 3 = Two-year college 4 = Polytechnic 5 = University 6 = University second degree or Master's degree
ENGLAND	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete A level 2 = A level or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Bachelor's degree or teaching certificate 6 = Master's degree or higher
HONG KONG	TQ1-04	D	Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Finished secondary and vocational training 4 = Secondary education and completed certificate, diploma or Associate's degree 5 = Bachelor's degree or equivalent 6 = Master's degree or higher

HUNGARY	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary school 3 = Option not administered or data not available 4 = Accredited post secondary vocational program certificate 5 = College education 6 = University education
INDIANA, US	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)
IRAN, ISLAMIC REP.	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Diploma (high school) 3 = Finished 2 years after diploma 4 = Finished technical training (3-4 years) 5 = Bachelor's degree 6 = Master of Arts or Science degree or higher (upper level)
ITALY	TQ1-04	D	National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Upper secondary school diploma or certificate for passing final examination of upper secondary school 3 = Post secondary vocational training course 4 = Vocational or technical program of higher education level 5 = Bachelor's degree 6 = Second degree or research degree or higher
JAPAN	TQ1-04	D	Nationally defined options: 1 = Did not complete upper secondary school 2 = Upper secondary school 3 = Junior college 4 = Vocational course of college 5 = University 6 = Master's degree or higher (Graduate School)
LATVIA	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Secondary or vocational school / Uncompleted higher education 3 = Technical or vocational school after secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor's or Master's degree) 6 = PhD
LITHUANIA	TQ1-04	D	National options recoded to fit international categories: 1 = Did not finish secondary education 2 = Secondary education 3 = Some post-secondary education but not university (some college) 4 = Option not administered or data not available 5 = Four-year studies or Bachelor's degree 6 = Five-year studies, Master's degree or PhD
MOLDOVA, REP. OF	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete upper secondary education 2 = Upper secondary education / Incomplete tertiary education 3 = College 4 = Option not administered or data not available 5 = Tertiary education 6 = Master's degree or PhD
MOROCCO	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary education 3 = Option not administered or data not available 4 = General university diploma (2-year post secondary) 5 = First university degree (Bachelor's degree) 6 = Post graduate diploma (2 years after Bachelor's degree or Master's degree)

NETHERLANDS	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary general education or secondary vocational education 2 = Secondary general education or secondary vocational education 3 = Option not administered or data not available 4 = Higher vocational education 5 = Option not administered or data not available 6 = University (Master's degree or PhD)
NEW ZEALAND	TQ1-04	D	National options recoded to fit international categories: 1 = I do not have a tertiary entry qualification (e.g. UE or Bursary) 2 = Tertiary entry qualification (e.g. UE or Bursary) 3 = Trade, national, or tertiary certificate (e.g. NZCS Level 3-5) 4 = National diploma (e.g. National Diploma in Science L5-6), Diploma (e.g. Diploma of Teaching - Primary) 5 = Bachelor's degree 6 = Bachelor's honours degree, post graduate diploma (e.g. Dip. ORS), Master's degree / PhD
NORWAY	TQ1-04	D	National options recoded to fit international categories: 1 = Primary and lower secondary 2 = Upper secondary 3 = Option not administered or data not available 4 = Teacher college 5 = Candidate's exam lower degree with pedagogy from university 6 = Candidate's exam higher degree with pedagogy from university
ONTARIO, CANADA	TQ1-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Have a college degree or completed some university courses 5 = BA or equivalent 6 = MA or PhD
PHILIPPINES	TQ1-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education (high school) 3 = Vocational/technical program (1-2 years) 4 = Vocational/technical program (4 years) 5 = Academic Bachelor's degree 6 = Master's degree or higher
QUEBEC, CANADA	TQ1-04	D	Nationally defined options: 1 = Did not complete secondary 2 = Secondary 3 = Some post secondary education 4 = Have a college degree or completed some university courses 5 = BA or equivalent 6 = MA or PhD
RUSSIAN FED.	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary education 2 = Secondary general education 3 = Secondary professional education 4 = Option not administered or data not available 5 = Higher education, 4 years (Bachelor's) 6 = Higher education, 5-6 years (Master's) / Second higher education or PhD
SCOTLAND	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete Highers 2 = Highers or equivalent 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = University degree or teaching certificate 6 = Postgraduate degree or higher
SINGAPORE	TQ1-04	D	Nationally defined options: 1 = Did not complete JC, PreU, Polytechnic education 2 = JC, PreU, Polytechnic education 3 = Non-graduate teacher education 4 = University education (vocational/technical) 5 = University education (academic/professional) 6 = Post graduate education (Master's degree or PhD)

SLOVENIA	TQ1-04	D	National options recoded to fit international categories: 1 = Did not finish secondary school 2 = Secondary school 3 = Vocational courses after secondary education 4 = Option not administered or data not available 5 = Two years university studies 6 = Four years university studies / Master's degree or PhD
TUNISIA	TQ1-04	D	Nationally defined options: 1 = Did not complete Baccalaureate 2 = Baccalaureate 3 = Baccalaureate plus 2 years of vocational training 4 = Baccalaureate plus 2 years of university studies (DUEL, primary school teacher diploma, etc.) 5 = Baccalaureate plus 4 years of university studies (BA/BS) 6 = Doctorate, Baccalaureate plus 6 years of university studies or higher
UNITED STATES	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete high school 2 = High school 3 = Vocational/technical certificate after high school (e.g. cosmetology, welding) 4 = Associate's degree (AA) in a vocational/technical program 5 = Academic Associate's or Bachelor's degree 6 = Academic Master's degree, post graduate certificate program (e.g. teaching) or first professional degree (e.g. law, medicine, dentistry) / Doctorate (PhD or EdD)
YEMEN	TQ1-04	D	National options recoded to fit international categories: 1 = Did not complete secondary school 2 = Completed secondary school 3 = Diploma for teachers (system 3) / Two years after secondary school certificate (professional education) / Diploma for teachers after secondary 4 = Diploma from educational faculty (2 years) 5 = University 6 = Post university - Master's degree or Doctorate

TQ1-05

Question:

How many years of <pre-service teacher training> did you have? Please round to the nearest whole number.

- 1 = 0 years
- 2 = 1 year
- 3 = 2 years
- 4 = 3 years
- 5 = 4 years
- 6 = 5 years
- 7 = More than 5 years

Variable Name(s): ATBGYTTR

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	TQ1-05	X	Question not administered or data not available
HUNGARY	TQ1-05	X	Question not administered or data not available
ITALY	TQ1-05	X	Question not administered or data not available
LITHUANIA	TQ1-05	X	Question not administered or data not available
NORWAY	TQ1-05	X	Question not administered or data not available

TQ1-06AA-AE**Question:**

During your <post-secondary> education, what was your major or main area(s) of study?

A: Education <Primary/Elementary>

B: Education - Secondary

C: Mathematics

D: Science

E: Other

1 = Yes

2 = No

Variable Name(s): ATBGPSEP, ATBGPPSES, ATBMPSMA, ATBSPSSC, ATBGPSOT

Country	Item ID	Code	Documentation
ARMENIA	TQ1-06AA	D	Education - Primary
AUSTRALIA	TQ1-06AA	D	Education - Primary
BELGIUM (FLEMISH)	TQ1-06AA	D	Education - Pedagogy (to teach grades 1 - 6)
CHINESE TAIPEI	TQ1-06AA	D	Education - Primary
CYPRUS	TQ1-06AA	D	Educational studies - Primary education
ENGLAND	TQ1-06AA	D	Education - Primary
HONG KONG	TQ1-06AA	D	Education - Primary
HUNGARY	TQ1-06AA,AC-AD	X	Option not administered or data not available
INDIANA, US	TQ1-06AA	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQ1-06AB	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQ1-06AC	D	Asked in national question part D National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQ1-06AD	D	Asked in national question part E National options recoded to fit international categories: 1 = Major / Minor 2 = No
INDIANA, US	TQ1-06AE	D	Asked in national question part C and part F (Education - Other / Other) National options recoded to fit international categories: 1 = Major / Minor 2 = No
IRAN, ISLAMIC REP.	TQ1-06AB	D	Educational sciences
ITALY	TQ1-06AA	D	Education - Primary
JAPAN	TQ1-06AA	D	Education - Elementary school
LATVIA	TQ1-06AA	D	Education - Primary and elementary
MOLDOVA, REP. OF	TQ1-06AA	D	Education - Pedagogy
MOROCCO	TQ1-06AA	D	Education - Primary
NETHERLANDS	TQ1-06AC-AE	X	Option not administered or data not available
NEW ZEALAND	TQ1-06AA	D	Teacher education training (primary)
NORWAY	TQ1-06AA-AE	X	Question not administered or data not available
ONTARIO, CANADA	TQ1-06AA	D	Education - Elementary
QUEBEC, CANADA	TQ1-06AA	D	Education - Elementary
RUSSIAN FED.	TQ1-06AA	D	Education - Primary

SCOTLAND	TQ1-06AA	D	Education - Primary
SINGAPORE	TQ1-06AA	D	Education - Primary
SLOVENIA	TQ1-06AA	D	Education - Elementary
TUNISIA	TQ1-06AA	D	Education - Primary/Basic
UNITED STATES	TQ1-06AA	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQ1-06AB	D	National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQ1-06AC	D	Asked in national question part D National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQ1-06AD	D	Asked in national question part E National options recoded to fit international categories: 1 = Major / Minor 2 = No
UNITED STATES	TQ1-06AE	D	Asked in national question part C and part F (Education - Other / Other) National options recoded to fit international categories: 1 = Major / Minor 2 = No
YEMEN	TQ1-06AA	D	Education - Primary

TQ1-06BA-BD

Question:

If your major or main area of study was education, did you have a <specialization> in any of the following?

A: Mathematics

B: Science

C: Language/reading

D: Other subject

1 = Yes

2 = No

Variable Name(s): ATBMEDMA, ATBSEDSC, ATBGEDLR, ATBGEDOT

Country	Item ID	Code	Documentation
ITALY	TQ1-06BA-BD	X	Question not administered or data not available
NORWAY	TQ1-06BA-BD	X	Question not administered or data not available
RUSSIAN FED.	TQ1-06BC	D	Russian language/reading

TQ1-07A-F**Question:**

What requirements did you have to satisfy in order to become a teacher at <grade 4>?

A: Complete <ISCED 5A, first degree>

B: Complete a probationary period

C: Complete a minimum number of education courses

D: Complete a minimum number of mathematics courses

E: Complete a minimum number of science courses

F: Pass a licensing examination

1 = Yes

2 = No

Variable Name(s): ATBGRB5A, ATBGRBPP, ATBGRBEC, ATBMRBMC, ATBSRBSC, ATBGRBLE

Country	Item ID	Code	Documentation
ARMENIA	TQ1-07A	D	Higher education
AUSTRALIA	TQ1-07A	D	Bachelor's degree
BELGIUM (FLEMISH)	TQ1-07A	D	College degree; gang punched to "Yes"
BELGIUM (FLEMISH)	TQ1-07B	D	Gang punched to "No"
BELGIUM (FLEMISH)	TQ1-07C	D	Gang punched to "No"
BELGIUM (FLEMISH)	TQ1-07D	D	Gang punched to "No"
BELGIUM (FLEMISH)	TQ1-07E	D	Gang punched to "No"
BELGIUM (FLEMISH)	TQ1-07F	D	Gang punched to "No"
CHINESE TAIPEI	TQ1-07A	D	Bachelor's degree
CYPRUS	TQ1-07A	D	University degree
ENGLAND	TQ1-07A-F	X	Question not administered or data not available
HONG KONG	TQ1-07A	D	Bachelor's degree
HUNGARY	TQ1-07A	D	College/university
HUNGARY	TQ1-07B,F	X	Option not administered or data not available
INDIANA, US	TQ1-07A	D	Bachelor's degree
IRAN, ISLAMIC REP.	TQ1-07A	D	Bachelor's degree
ITALY	TQ1-07A	D	Bachelor's degree
ITALY	TQ1-07B	D	To teach some years
JAPAN	TQ1-07A	D	University
LATVIA	TQ1-07A	D	Higher education (Bachelor's or Master's degree)
LATVIA	TQ1-07F	X	Option not administered or data not available
LITHUANIA	TQ1-07A-F	X	Question not administered or data not available
MOLDOVA, REP. OF	TQ1-07A	D	Tertiary education
MOROCCO	TQ1-07A	D	Post Bachelor's degree
MOROCCO	TQ1-07B-F	X	Option not administered or data not available
NETHERLANDS	TQ1-07A-F	X	Question not administered or data not available
NEW ZEALAND	TQ1-07A	D	Bachelor's degree
NORWAY	TQ1-07A-F	X	Question not administered or data not available
ONTARIO, CANADA	TQ1-07A	D	Bachelor's degree
PHILIPPINES	TQ1-07A	D	Academic Bachelor's degree
QUEBEC, CANADA	TQ1-07A	D	Bachelor's degree
RUSSIAN FED.	TQ1-07A	D	Finish university
RUSSIAN FED.	TQ1-07B-F	X	Question not administered or data not available

SCOTLAND	TQ1-07A-F	X	Question not administered or data not available
SINGAPORE	TQ1-07A	D	University education
SINGAPORE	TQ1-07F	D	Gang punched to "No"
SLOVENIA	TQ1-07A	D	University
TUNISIA	TQ1-07A	D	BA/BS (Baccalaureate plus 4 years of university studies)
UNITED STATES	TQ1-07A	D	Bachelor's degree
YEMEN	TQ1-07A	D	First university degree

TQ1-08A-B**Question:**

A: Do you have a teaching license or certificate?

1 = Yes

2 = No

B: What type of license or certificate do you hold?

1 = <Full certificate>

2 = <Provisional certificate>

3 = <Emergency certificate>

4 = Other

Variable Name(s): ATBGTLC, ATBGTELC

Country	Item ID	Code	Documentation
ARMENIA	TQ1-08B	D	National options recoded to fit international categories: 1 = Diploma of higher education / Diploma of preliminary professional education 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
AUSTRALIA	TQ1-08A	D	Stem of the question changed: Do you have a teaching registration or approval to teach from a government education department?
AUSTRALIA	TQ1-08B	D	Stem of the question changed: What type of registration do you hold? Nationally defined options: 1 = Full registration/approval 2 = Provisional registration/approval 3 = Emergency registration/approval 4 = Other
BELGIUM (FLEMISH)	TQ1-08A	D	Gang punched to "Yes"
BELGIUM (FLEMISH)	TQ1-08B	D	National options recoded to fit international categories: 1 = Full certificate / Provisional certificate / Emergency certificate 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
CHINESE TAIPEI	TQ1-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
CYPRUS	TQ1-08A-B	X	Question not administered or data not available
ENGLAND	TQ1-08A-B	X	Question not administered or data not available
HONG KONG	TQ1-08B	D	National options recoded to fit international categories: 1 = Registered teacher 2 = Permitted teacher 3 = Option not administered or data not available 4 = Other
HUNGARY	TQ1-08A-B	X	Question not administered or data not available
INDIANA, US	TQ1-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available

IRAN, ISLAMIC REP.	TQ1-08B	D	National options recoded to fit international categories: 1 = Certificate from a university (special teacher studies and training) / Certificate from a teacher training center 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
ITALY	TQ1-08B	X	Question not administered or data not available
JAPAN	TQ1-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
LATVIA	TQ1-08A-B	X	Question not administered or data not available
LITHUANIA	TQ1-08A	D	Stem of the question changed: What is your qualification category? National options recoded to fit international categories: 1 = Teacher / Senior teacher / Teacher methodologist / Expert teacher 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available
LITHUANIA	TQ1-08B	X	Question not administered or data not available
MOLDOVA, REP. OF	TQ1-08B	D	Nationally defined options: 1 = Higher education 2 = Secondary vocational education 3 = Secondary education (Bachelor's) 4 = Other
MOROCCO	TQ1-08B	X	Question not administered or data not available
NETHERLANDS	TQ1-08A-B	X	Question not administered or data not available
NEW ZEALAND	TQ1-08B	D	National options recoded to international categories: 1 = Full registration / Registration subject to confirmation 2 = Provisional registration 3 = Option not administered or data not available 4 = Other (e.g. limited authority)
NORWAY	TQ1-08B	X	Question not administered or data not available
ONTARIO, CANADA	TQ1-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
PHILIPPINES	TQ1-08B	D	National options recoded to fit international categories: 1 = Philippine Board Examination for Teachers (PBET) / Licensure Examination for Teachers (LET) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Other
QUEBEC, CANADA	TQ1-08B	D	Nationally defined options: 1 = Full certificate 2 = Provisional certificate 3 = Emergency certificate 4 = Other
RUSSIAN FED.	TQ1-08B	D	Nationally defined options: 1 = Diploma 2 = Provisional certificate 3 = Emergency certificate for a short period of time 4 = Other
SCOTLAND	TQ1-08A-B	X	Question not administered or data not available
SINGAPORE	TQ1-08B	D	Gang punched to "Full certificate"

SLOVENIA	TQ1-08B	D	National options recoded to fit international categories: 1 = Full certificate for a subject you are teaching 2 = Option not administered or data not available 3 = Certificate for a subject other than a subject you are teaching / Uncompleted certificate (still studying) 4 = Other
TUNISIA	TQ1-08B	D	National options recoded to fit international categories: 1 = Equivalent of the end of the second cycle of university studies (4 years) / Equivalent of the end of the first cycle of university studies (2 years) 2 = Option not administered or data not available 3 = Less than the above 4 = Other
UNITED STATES	TQ1-08B	D	National options recoded to fit international categories: 1 = Regular or standard state certificate or advanced professional certificate / Probationary certificate 2 = Provisional or other type given to persons who are still participating in what the state calls "alternative certification program" / Temporary certificate 3 = Emergency certificate or waiver 4 = Option not administered or data not available
YEMEN	TQ1-08B	D	Nationally defined options: 1 = Full certificate 2 = General certificate or specific certificate 3 = Qualified for teaching 4 = Other

TQ1-09A-H

Question:

How would you characterize each of the following within your school?

- A: Teachers' job satisfaction
- B: Teachers' understanding of the school's curricular goals
- C: Teachers' degree of success in implementing the school's curriculum
- D: Teachers' expectations for student achievement
- E: Parental support for student achievement
- F: Parental involvement in school activities
- G: Students' regard for school property
- H: Students' desire to do well in school
 - 1 = Very high
 - 2 = High
 - 3 = Medium
 - 4 = Low
 - 5 = Very low

Variable Name(s): ATBGCHTS, ATBGCHTU, ATBGCHTC, ATBGCHES, ATBGCHPS, ATBGCHPI, ATBGCHSR, ATBGCHSD

Country	Item ID	Code	Documentation
YEMEN	TQ1-09H	X	Option not administered or data not available

TQ1-12AA-AD**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these number topics at the <fourth> grade?

A: Adding, subtracting, multiplying and/or dividing with whole numbers

B: Fractions (parts of a whole or a collection, location on a number line)

C: Fractions or decimals represented by words, numbers, or models

D: Adding and subtracting with decimals

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBMRT01, ATBMRT02, ATBMRT03, ATBMRT04

Country	Item ID	Code	Documentation
ENGLAND	TQ1-12AA-AD	X	Question not administered or data not available
LATVIA	TQ1-12AA-AD	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-12AA-AD	X	Question not administered or data not available

TQ1-12BA-BC**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these Patterns, Equations, and Relationships topics at the <fourth> grade?

A: Patterns or numbers or shapes (extending sequences and finding missing terms)

B: Simple Equations

C: Finding a rule for a relationship given some pairs of numbers

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBMRT05, ATBMRT06, ATBMRT07

Country	Item ID	Code	Documentation
ENGLAND	TQ1-12BA-BC	X	Question not administered or data not available
LATVIA	TQ1-12BA-BC	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-12BA-BC	X	Question not administered or data not available

TQ1-12CA-CB**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these Measurement topics at the <fourth> grade?

A: Recognizing and selecting appropriate units to measure length, weight, time, and temperature

B: Estimating and measuring length, area, volume, weight, and time

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBMRT08, ATBMRT09

Country	Item ID	Code	Documentation
ENGLAND	TQ1-12CA-CB	X	Question not administered or data not available
LATVIA	TQ1-12CA-CB	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-12CA-CB	X	Question not administered or data not available

TQ1-12DA-DD**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these Geometry topics at the <fourth> grade?

A: Familiar two and three dimensional shapes and their properties

B: Congruent triangles (i.e., same shape and size)

C: Relationships between two-dimensional and three-dimensional shapes

D: Translation, reflection, and rotation (<shifts, flips, and turns> of shapes)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBMRT10, ATBMRT11, ATBMRT12, ATBMRT13

Country	Item ID	Code	Documentation
CYPRUS	TQ1-12DD	X	Option not administered or data not available
ENGLAND	TQ1-12DA-DD	X	Question not administered or data not available
LATVIA	TQ1-12DA-DD	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-12DA-DD	X	Question not administered or data not available

TQ1-12EA-EC**Question:**

Considering your training and experience in both mathematics content and instruction, how ready do you feel you are to teach these Data topics at the <fourth> grade?

A: Recognizing what various numbers, symbols, and points mean in data displays

B: Displaying data using tables, pictographs, and bar graphs

C: Drawing conclusions from data displays

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBMRT14, ATBMRT15, ATBMRT16

Country	Item ID	Code	Documentation
ENGLAND	TQ1-12EA-EC	X	Question not administered or data not available
LATVIA	TQ1-12EA-EC	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-12EA-EC	X	Question not administered or data not available

TQ1-14A-B**Question:**

A: How many students are in the TIMSS class for mathematics?

B: How many students in Question 14A are in the <fourth grade>?

Variable Name(s): ATBMSTUD, ATBMSTDQ

Country	Item ID	Code	Documentation
HONG KONG	TQ1-14B	X	Question not administered or data not available
ITALY	TQ1-14A	D	Stem of the question s changed: How many students are there in the TIMSS class?
ITALY	TQ1-14B	D	Stem of the question is changed: How many students are there in the TIMSS class?
LATVIA	TQ1-14B	D	Data available only for Latvian questionnaires
NORWAY	TQ1-14A	D	Stem of the question changed: How many students are there in the TIMSS class?
NORWAY	TQ1-14B	X	Question not administered or data not available
PHILIPPINES	TQ1-14B	X	Question not administered or data not available
RUSSIAN FED.	TQ1-14A	D	Stem of the question is changed: How many students are in the TIMSS class?
RUSSIAN FED.	TQ1-14B	X	Question not administered or data not available

TQ1-16A-B**Question:**

A: Do you use a textbook(s) in teaching mathematics to the <fourth-grade> students in the TIMSS class?

1 = Yes

2 = No

B: How do you use a textbook(s) in teaching mathematics to the <fourth-grade> students in the TIMSS class?

1 = As the primary basis for my lessons

2 = As a supplementary resource

Variable Name(s): ATBMTBTC, ATBMTXBU

Country	Item ID	Code	Documentation
LITHUANIA	TQ1-16A	D	Stem of the question changed: Please indicate the percentage of how you use the following teaching materials in teaching math to TIMSS class? a) Textbook1 b) Textbook2 National options recoded to fit international question.
LITHUANIA	TQ1-16B	D	Stem of the question changed: Please indicate the percentage of how you use the following teaching materials in teaching math to TIMSS class? a) Textbook1 b) Textbook2 National options recoded to fit international question.
SINGAPORE	TQ1-16A	D	Gang punched to "Yes"

TQ1-18**Question:**

Are the <fourth grade> students in the TIMSS class permitted to use calculators during mathematics lessons?

1 = Yes, with unrestricted use

2 = Yes, with restricted use

3 = No, calculators are not permitted

Variable Name(s): ATBMCAML

Country	Item ID	Code	Documentation
YEMEN	TQ1-18	X	Question not administered or data not available

TQ1-19**Question:**

How many <fourth grade> students in the TIMSS class have calculators available to use during mathematics lessons?

- 1 = All
- 2 = Most
- 3 = About half
- 4 = Some
- 5 = None

Variable Name(s): ATBMHSHC

Country	Item ID	Code	Documentation
YEMEN	TQ1-19	X	Question not administered or data not available

TQ1-21**Question:**

How often are the <fourth grade> students in the TIMSS class permitted to use calculators during tests or examinations?

- 1 = Always
- 2 = Sometimes
- 3 = Never

Variable Name(s): ATBMCATE

Country	Item ID	Code	Documentation
IRAN, ISLAMIC REP.	TQ1-21	X	Question not administered or data not available

TQ1-22A-B**Question:**

A: Do the <fourth-grade> students in the TIMSS class have computers available to use during their mathematics lessons?

B: Do any of the computers have access to the Internet?

- 1 = Yes
- 2 = No

Variable Name(s): ATBMCOMA, ATBMINTA

Country	Item ID	Code	Documentation
YEMEN	TQ1-22A-B	X	Question not administered or data not available

TQ1-24A-H**Question:**

In teaching mathematics to the <fourth-grade> students in the TIMSS class, how often do you usually ask them to do the following?

A: Practice adding, subtracting, multiplying, and dividing without using a calculator

B: Work on fractions and decimals

C: Measure things in the classroom and around the school

D: Make tables, charts, or graphs

E: Learn about shapes such as circles, triangles, rectangles, and cubes

F: Write equations for word problems

G: Work together in small groups

H: Explain their answers

1 = Every or almost every lesson

2 = About half the lessons

3 = Some lessons

4 = Never

Variable Name(s): ATBMASPC, ATBMASWF, ATBMASMS, ATBMASMG, ATBMASLC, ATBMASWP, ATBMASG, ATBMASEA

Country	Item ID	Code	Documentation
MOROCCO	TQ1-24F	X	Option not administered or data not available
RUSSIAN FED.	TQ1-24A-E	X	Question not administered or data not available

TQ1-25A-F**Question:**

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following mathematics content areas for the <fourth-grade> students in the TIMSS class?

A: Number (includes computation with whole numbers, fractions, and decimals)

B: Patterns, equations, and relationships (includes sequences of numbers or shapes, simple equations, and finding rules)

C: Measurement (includes recognizing units and using tools)

D: Geometry (includes two- and three-dimensional shapes)

E: Data (includes reading, making, and interpreting tables and graphs)

F: Other

Variable Name(s): ATBMTTNU, ATBMTTPA, ATBMTTME, ATBMTTGE, ATBMTTDA, ATBMCOTH

Country	Item ID	Code	Documentation
ENGLAND	TQ1-25A-F	X	Question not administered or data not available
LATVIA	TQ1-25A-F	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-25A-F	X	Question not administered or data not available
SCOTLAND	TQ1-25A-F	X	Question not administered or data not available

TQ1-26AA-AL**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Number topics?

- A: Whole numbers including place value and ordering
- B: Represent whole numbers using words, diagrams, or symbols
- C: Properties of whole numbers such as odd and even, multiples, or factors
- D: Computation with whole numbers
- E: Estimation with whole numbers
- F: Fractions (parts of a whole or a collection, location on a number line)
- G: Equivalent fractions
- H: Compare and order fractions
- I: Fractions or decimals represented by words, numbers, or models
- J: Adding and subtracting fractions with the same denominator
- K: Adding and subtracting with decimals (tenths and/or hundredths)
- L: Simple proportional reasoning
 - 1 = Mostly taught before this year
 - 2 = Mostly taught this year
 - 3 = Not yet taught or just introduced

Variable Name(s): ATBMTA01, ATBMTA02, ATBMTA03, ATBMTA04, ATBMTA05, ATBMTA06, ATBMTA07, ATBMTA08, ATBMTA09, ATBMTA10, ATBMTA11, ATBMTA12

Country	Item ID	Code	Documentation
LATVIA	TQ1-26AA-AL	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-26AA-AL	X	Question not administered or data not available

TQ1-26BA-BF**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Patterns, Equations, and Relationships topics?

- A: Patterns or numbers or shapes (extending sequences and finding missing terms)
- B: Equality using equations, areas, volumes, masses/weights
- C: Missing number in an equation (e.g., if $17 + \underline{\quad} = 29$, what number would go in the blank to make the equation true?)
- D: Simple equations
- E: Pairs of numbers following a given rule (e.g., multiply the first number by 3 and add 2 to get the second number)
- F: Finding a rule for a relationship given some pairs of numbers
 - 1 = Mostly taught before this year
 - 2 = Mostly taught this year
 - 3 = Not yet taught or just introduced

Variable Name(s): ATBMTA13, ATBMTA14, ATBMTA15, ATBMTA16, ATBMTA17, ATBMTA18

Country	Item ID	Code	Documentation
LATVIA	TQ1-26BA-BF	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-26BA-BF	X	Question not administered or data not available

TQ1-26CA-CF**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Measurement topics?

- A: Non-standard units to measure length, area, volume, and time (e.g., paper clips for length, tiles for area, sugar cubes for volume)
 - B: Standard units to measure length, area, mass/weight, angle, and time (e.g., kilometers for car trips, centimeters for human height)
 - C: Conversion factors between standard units (e.g., hours to minutes, grams to kilograms)
 - D: Instruments to measure length, weight, time, and temperature in problem situations (e.g., rulers and scales)
 - E: Calculating areas and perimeters of squares
 - F: Estimating length, area, volume, weight, and time
- 1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): ATBMTA19, ATBMTA20, ATBMTA21, ATBMTA22, ATBMTA23, ATBMTA24

Country	Item ID	Code	Documentation
LATVIA	TQ1-26CA-CF	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-26CA-CF	X	Question not administered or data not available
YEMEN	TQ1-26CF	X	Option not administered or data not available

TQ1-26DA-DK**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Geometry topics?

- A: Angles greater than, equal to, or less than a right angle (or 90 degrees)
 - B: Parallel and perpendicular lines
 - C: Familiar two-and three-dimensional shapes and their properties
 - D: Congruent triangles (i.e., same shape and size)
 - E: Similar triangles (i.e., same shape and different size)
 - F: Points in a plane
 - G: Relationships between two-dimensional and three-dimensional shapes
 - H: Informal coordinate systems
 - I: Symmetry about a line
 - J: Two-dimensional symmetrical figures
 - K: Translation, reflection, and rotation (<shifts, flips, and turns> of shapes)
- 1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): ATBMTA25, ATBMTA26, ATBMTA27, ATBMTA28, ATBMTA29, ATBMTA30, ATBMTA31, ATBMTA32, ATBMTA33, ATBMTA34, ATBMTA35

Country	Item ID	Code	Documentation
LATVIA	TQ1-26DA-DK	D	Data available only for Latvian questionnaires
MOROCCO	TQ1-26DH	X	Option not administered or data not available
RUSSIAN FED.	TQ1-26DA-DK	X	Question not administered or data not available
YEMEN	TQ1-26DK	X	Option not administered or data not available

TQ1-26EA-EG**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Data topics?

A: Recognizing what various numbers, symbols, and points mean in data displays

B: Organizing a set of data by one characteristic (e.g., height, color, age, shape)

C: Reading data directly from tables, pictographs, bar graphs, and pie charts

D: Displaying data using tables, pictographs, and bar graphs

E: Comparing and matching different representations of the same data

F: Characteristics of related data sets (e.g., given data or representations of data on student heights in two classes, identify the class with the shortest/tallest person);

G: Drawing conclusions from data displays

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBMTA36, ATBMTA37, ATBMTA38, ATBMTA39, ATBMTA40, ATBMTA41, ATBMTA42

Country	Item ID	Code	Documentation
LATVIA	TQ1-26EA-EG	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-26EA-EG	X	Question not administered or data not available

TQ1-30AA-AF**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach these Life Science topics at the <fourth grade>?

A: Major body structures and their functions in humans and other organisms (plant and animals)

B: Reproduction and development in plants and animals (passing on of general characteristics; life cycles of familiar organisms)

C: Physical features, behavior, and survival of organisms living in different environments

D: Relationships in a living community (e.g., simple food chains, predator/prey relationships)

E: Changes in environments (effects of human activity, pollution and its prevention)

F: Human health (e.g., transmission/prevention of communicable diseases, signs of health/illness, diet, exercise)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBSRT01, ATBSRT02, ATBSRT03, ATBSRT04, ATBSRT05, ATBSRT06

Country	Item ID	Code	Documentation
ENGLAND	TQ1-30AA-AF	X	Question not administered or data not available
LATVIA	TQ1-30AA-AF	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-30AA-AF	X	Question not administered or data not available

TQ1-30BA-BG**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach these Physical Science topics at the <fourth grade>?

A: Classification of objects/materials based on physical properties (e.g., mass, shape, volume, color, hardness, texture, heat/electrical conductivity, magnetic attraction)

B: Forming and separating mixtures

C: Chemical and physical changes (e.g., decaying of animal/plant matter, burning, rusting)

D: States of matter (solids, liquids, gases) and differences in their physical properties (shape, volume), including changes in state of water by heating and cooling (melting, freezing, boiling)

E: Common energy sources/forms and their practical uses (e.g., wind, sun, electricity, burning fuel, water wheel, food)

F: Common uses of electricity and electrical circuits

G: Forces that cause objects to move (e.g., gravity, push/pull forces)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBSRT07, ATBSRT08, ATBSRT09, ATBSRT10, ATBSRT11, ATBSRT12, ATBSRT13

Country	Item ID	Code	Documentation
ENGLAND	TQ1-30BA-BG	X	Question not administered or data not available
HUNGARY	TQ1-30BC	X	Question not administered or data not available.
LATVIA	TQ1-30BA-BG	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-30BA-BG	X	Question not administered or data not available

TQ1-30CA-CF**Question:**

Considering your training and experience in both science content and instruction, how ready do you feel you are to teach these Earth Science topics at the <fourth grade>?

A: Features of Earth's landscape (e.g., mountains, plains, rivers, deserts)

B: Water on Earth (location, types, and movement)

C: Air (composition, proof of its existence, uses, and importance for supporting life)

D: Common features of the Earth's landscape (e.g., mountains, plains, rivers, deserts and relationship to human use (e.g., farming, irrigation, land development) at the <fourth> grade)

E: Fossils of animals and plants (age, formation)

F: Earth's solar system (planets, sun, moon)

1 = Very ready

2 = Ready

3 = Not ready

Variable Name(s): ATBSRT14, ATBSRT15, ATBSRT16, ATBSRT17, ATBSRT18, ATBSRT19

Country	Item ID	Code	Documentation
ENGLAND	TQ1-30CA-CF	X	Question not administered or data not available
LATVIA	TQ1-30CA-CF	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-30CA-CF	X	Question not administered or data not available

TQ1-32A-B**Question:**

A: How many students are in the TIMSS class for science?

B: How many students in the TIMSS class for science are in the <fourth grade>?

Variable Name(s): ATBSSTUD, ATBSSTDQ

Country	Item ID	Code	Documentation
HONG KONG	TQ1-32B	X	Question not administered or data not available
ITALY	TQ1-32A-B	D	Stem of the question is changed: How many students are there in the TIMSS class?
LATVIA	TQ1-32A-B	D	Data available only for Latvian questionnaires
LITHUANIA	TQ1-32A	D	Stem of the question changed: How many students are there in the TIMSS class?
LITHUANIA	TQ1-32B	X	Question not administered or data not available
NORWAY	TQ1-32A	D	Stem of the question changed: How many students are there in the TIMSS class?
NORWAY	TQ1-32B	X	Question not administered or data not available
PHILIPPINES	TQ1-32B	X	Question not administered or data not available
RUSSIAN FED.	TQ1-32A	D	Stem of the question is changed: How many students are in the TIMSS class?
RUSSIAN FED.	TQ1-32B	X	Question not administered or data not available

TQ1-33**Question:**

Is science taught mainly as a separate subject (i.e., not integrated with other subjects) to the <fourth grade> students in the TIMSS class?

1 = Yes

2 = No

A: If yes, how many minutes per week do you teach science to the <fourth-grade> students in the TIMSS class?

B: If no, please estimate the number of minutes per week that you spend on science topics with the <fourth-grade> students in the TIMSS class.

Variable Name(s): ATBSSBJ, ATBSYMW, ATBSNMWT

Country	Item ID	Code	Documentation
BELGIUM (FLEMISH)	TQ1-33	D	Gang punched to "No"
IRAN, ISLAMIC REP.	TQ1-33B	X	Question not administered or data not available
NORWAY	TQ1-33	D	Gang punch to "Yes"
NORWAY	TQ1-33B	X	Question not administered or data not available

TQ1-34A-B**Question:**

A: Do you use a textbook(s) in teaching science to the <fourth-grade> students in the TIMSS class?

1 = Yes

2 = No

B: How do you use a textbook(s) in teaching science to the <fourth-grade> students in the TIMSS class?

1 = As the primary basis for my lessons

2 = As a supplementary resource

Variable Name(s): ATBSTBTC, ATBSTXBU

Country	Item ID	Code	Documentation
LITHUANIA	TQ1-34A	D	Stem of the question changed: Please indicate the percentage of how you use the following teaching materials in teaching science to TIMSS class? Textbook1 Textbook2 National options recoded to fit international question.
LITHUANIA	TQ1-34B	D	Stem of the question changed: Please indicate the percentage of how you use the following teaching materials in teaching science to TIMSS class? Textbook1 Textbook2 National options recoded to fit international question.
SINGAPORE	TQ1-34A	D	Gang punched to "Yes"

TQ1-38A-D**Question:**

By the end of this school year, approximately what percentage of teaching time will you have spent during this school year on each of the following science content areas for the <fourth grade> students in the TIMSS class?

A: Life science (includes characteristics and cycles of living things, environmental science, and human health)

B: Physical science (includes topics in physics and chemistry)

C: Earth science (includes Earth's physical features, natural resources, weather, and solar system)

D: Other

Variable Name(s): ATBSPTLS, ATBSPTPS, ATBSPTES, ATBSCOTH

Country	Item ID	Code	Documentation
ENGLAND	TQ1-38A-D	X	Question not administered or data not available
SCOTLAND	TQ1-38A-D	X	Question not administered or data not available

TQ1-39AA-AJ**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Life Science topics?

- A: Types, characteristics, and classification of living things
- B: Major body structures and their function in humans and other organisms (plants and animals)
- C: Bodily actions in response to outside conditions (e.g., heat, cold danger) and activities (e.g., exercise)?
- D: The general steps in the life cycle of familiar organisms (e.g., humans, insects, frogs, plants)
- E: Plant and animal reproduction (passing on of general characteristics)
- F: Physical features, behavior, and survival of plants and animals in different environments
- G: Relationships in a living community (e.g., simple food chains using common plants and animals and predator/prey relationships)
- H: Changes in environments (effects of human activity, pollution and its prevention)
- I: Ways that common communicable diseases (e.g., colds, influenza) are transmitted; signs, prevention, and treatment of illness
- J: Ways of maintaining good health, including diet and exercise
 - 1 = Mostly taught before this year
 - 2 = Mostly taught this year
 - 3 = Not yet taught or just introduced

Variable Name(s): ATBSTA01, ATBSTA02, ATBSTA03, ATBSTA04, ATBSTA05, ATBSTA06, ATBSTA07, ATBSTA08, ATBSTA09, ATBSTA10

Country	Item ID	Code	Documentation
LATVIA	TQ1-39AA-AJ	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-39AA-AJ	X	Question not administered or data not available

TQ1-39BA-BM**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Physical Science topics?

- A: Classification of objects and materials based on physical properties
- B: Properties and uses of metals
- C: Forming and separating mixtures
- D: Properties and uses of water
- E: Chemical and physical changes (e.g., decaying of animal/plant matter, burning, rusting)
- F: States of matter (solids, liquids and gases) and differences in their physical properties in terms of shape and volume
- G: Changes in state of water by heating and cooling (melting, freezing, boiling)
- H: Common energy sources/forms and their practical uses (e.g., wind, sun, electricity, burning fuel, water wheel, food)
- I: Heat flow and temperature
- J: Common sources of light and related phenomena (e.g., formation of rainbows and shadows, visibility of objects, mirrors, colors)
- K: Common uses of electricity and electrical circuits
- L: Magnets (north and south poles, magnetic attraction and repulsion)
- M: Forces that cause objects to move (e.g., gravity, push/pull forces)
 - 1 = Mostly taught before this year
 - 2 = Mostly taught this year
 - 3 = Not yet taught or just introduced

Variable Name(s): ATBSTA11, ATBSTA12, ATBSTA13, ATBSTA14, ATBSTA15, ATBSTA16, ATBSTA17, ATBSTA18, ATBSTA19, ATBSTA20, ATBSTA21, ATBSTA22, ATBSTA23

Country	Item ID	Code	Documentation
LATVIA	TQ1-39BA-BM	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-39BA-BM	X	Question not administered or data not available

TQ1-39CA-CI**Question:**

When have the <fourth grade> students in the TIMSS class been taught each of the following Earth Science topic?

A: Rocks, minerals, sand, and soil

B: Water on earth (location, types, and movement)

C: Air (composition, proof of its existence, uses, and importance for supporting life)

D: Common features of the Earth's landscape (e.g., mountains, plains, rivers, deserts) and relationship to human use (e.g., farming, irrigation, land development)

E: Use and conservation of Earth's natural resources

F: Earth's water cycle (water flowing in rivers from mountains to sea, cloud formation and precipitation)

G: Weather conditions from day to day or over the seasons

H: Fossils of animals and plants (age, formation)

I: Earth's solar system (planets, sun, moon)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBSTA24, ATBSTA25, ATBSTA26, ATBSTA27, ATBSTA28, ATBSTA29, ATBSTA30, ATBSTA31, ATBSTA32

Country	Item ID	Code	Documentation
LATVIA	TQ1-39CA-CI	D	Data available only for Latvian questionnaires
RUSSIAN FED.	TQ1-39CA-CI	X	Question not administered or data not available

ITCOURSE**Question:**

TYPE OF COURSE

Variable Name(s): ITCOURSE

Country	Item ID	Code	Documentation
ARMENIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
AUSTRALIA	ITCOURSE	D	7 = Mathematics and Integrated Science
BELGIUM (FLEMISH)	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
CHINESE TAIPEI	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
CYPRUS	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
ENGLAND	ITCOURSE	D	7 = Mathematics and Integrated Science
HONG KONG	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
HUNGARY	ITCOURSE	D	7 = Mathematics and Integrated Science
INDIANA, US	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
IRAN, ISLAMIC REP.	ITCOURSE	D	7 = Mathematics and Integrated Science
ITALY	ITCOURSE	D	7 = Mathematics and Integrated Science
JAPAN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
LATVIA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science
LITHUANIA	ITCOURSE	D	7 = Mathematics and Integrated Science
MOLDOVA, REP. OF	ITCOURSE	D	7 = Mathematics and Integrated Science
MOROCCO	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
NETHERLANDS	ITCOURSE	D	7 = Mathematics and Integrated Science
NEW ZEALAND	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Integrated Mathematics and Science
NORWAY	ITCOURSE	D	7 = Mathematics and Integrated Science
ONTARIO, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
PHILIPPINES	ITCOURSE	D	7 = Mathematics and Integrated Science
QUEBEC, CANADA	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
RUSSIAN FED.	ITCOURSE	D	7 = Mathematics and Integrated Science
SCOTLAND	ITCOURSE	D	7 = Mathematics and Integrated Science

SINGAPORE	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Integrated Mathematics and Science
SLOVENIA	ITCOURSE	D	7 = Mathematics and Integrated Science
TUNISIA	ITCOURSE	D	7 = Mathematics and Integrated Science
UNITED STATES	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science
YEMEN	ITCOURSE	D	1 = Mathematics 6 = Integrated Science 7 = Mathematics and Integrated Science

Section 8

Fourth Grade - School Questionnaire

Section 8: Fourth Grade - School Questionnaire

SCQ1-01A-B

Question:

What are the lowest and highest grade levels in your school?

A: Lowest Grade

B: Highest Grade

1 = Kindergarten

2 = 1

3 = 2

4 = 3

5 = 4

6 = 5

7 = 6

8 = 7

9 = 8

10 = 9

11 = 10

12 = 11

13 = 12

14 = 13

Variable Name(s): ACBGLOWG, ACBGHIGG

Country	Item ID	Code	Documentation
CHINESE TAIPEI	SCQ1-01A-B	D	National options recoded to fit international categories 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
LITHUANIA	SCQ1-01A-B	D	National options recoded to fit international categories 1 = Kindergarten 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
NETHERLANDS	SCQ1-01A	D	Gang punched to "Kindergarten"
NETHERLANDS	SCQ1-01B	D	Gang punched to "Grade 6"

NEW ZEALAND	SCQ1-01A	D	<p>Stem of the question changed: Is your school a...</p> <p>National options recoded to fit international categories: 1 = Full primary (Years 0/1 - 8) / Contributing (Years 0/1 - 6) / Composite Area (Years 0/1 - 13) 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Option not administered or data not available 7 = Option not administered or data not available 8 = Option not administered or data not available 9 = Option not administered or data not available 10 = Option not administered or data not available 11 = Option not administered or data not available 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available</p>
NEW ZEALAND	SCQ1-01B	D	<p>Stem of the question changed: Is your school a...</p> <p>National options recoded to fit international categories: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available 6 = Contributing (Years 0/1 - 6) 7 = Option not administered or data not available 8 = Full primary (Years 0/1 - 8) 9 = Option not administered or data not available 10 = Option not administered or data not available 11 = Option not administered or data not available 12 = Option not administered or data not available 13 = Composite/Area (Years 0/1 - 13) 14 = Option not administered or data not available</p>
NORWAY	SCQ1-01A-B	D	<p>National options recoded to fit international categories: 1 = Option not administered or data not available 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = Option not administered or data not available 13 = Option not administered or data not available 14 = Option not administered or data not available</p>
ONTARIO, CANADA	SCQ1-01A-B	D	<p>National options recoded to fit international categories: 1 = Kindergarten (junior and/or senior) 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available</p>

QUEBEC, CANADA	SCQ1-01A-B	D	National options recoded to fit international categories: 1 = Kindergarten (junior and/or senior) 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 9 = 8 10 = 9 11 = 10 12 = 11 13 = 12 14 = Option not administered or data not available
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SCQ1-03

Question:

How many people live in the city, town, or area where your school is located?

- 1 = More than 500,000 people
- 2 = 100,001 to 500,000 people
- 3 = 50,001 to 100,000 people
- 4 = 15,001 to 50,000 people
- 5 = 3,001 to 15,000 people
- 6 = Fewer than 3,000 people

Variable Name(s): ACBGCOMU

Country	Item ID	Code	Documentation
AUSTRALIA	SCQ1-03	D	National options recoded to fit international categories: 1 = More than 500,000 people 2 = 100,000 to 500,000 people 3 = 50,001 to 100,000 people 4 = 15,001 to 50,000 people 5 = 3,001 to 15,000 people 6 = 1,001 to 3,000 people / Fewer than 1,000 people
SINGAPORE	SCQ1-03	D	Gang punched to "More than 500,000 people"

SCQ1-06AA-AB

Question:

Approximately what percentage of students in your school have the following background?

A: Come from economically disadvantaged homes

B: Come from economically affluent homes

- 1 = 0 to 10%
- 2 = 11 to 25%
- 3 = 26 to 50%
- 4 = More than 50%

Variable Name(s): ACBGSBED, ACBGSBEA

Country	Item ID	Code	Documentation
NORWAY	SCQ1-06AA-AB	X	Question not administered or data not available

SCQ1-10A-E**Question:**

Does your school expect parents to do the following?

A: Attend special events (e.g., science fair, concert, sporting events)

B: Raise funds for the school

C: Volunteer for school projects, programs, and trips

D: Ensure that their child completes his/her homework

E: Serve on school committees (e.g., select school personnel, review school finances)

1 = Yes

2 = No

Variable Name(s): ACBGEPSE, ACBGEPRF, ACBGEPVO, ACBGEPCH, ACBGEPSC

Country	Item ID	Code	Documentation
ENGLAND	SCQ1-10A-E	X	Question not administered or data not available
SCOTLAND	SCQ1-10A-E	D	Stem of the question changed: Do the parents of children in your school do the following?

SCQ1-11A**Question:**

How many days per year is your school open for instruction for <fourth grade> students?

Variable Name(s): ACBGDYSO

Country	Item ID	Code	Documentation
LITHUANIA	SCQ1-11A	D	Gang punch to "195 school days"
NORWAY	SCQ1-11A	D	Gang punch to "190"
SINGAPORE	SCQ1-11A	D	Gang punched to "188"

SCQ1-11BA-BB**Question:**

How many instructional days are there in the school week (typical calendar week from Monday through Sunday) for <fourth-grade> students?

A: Number of FULL days (over 4 hours)

B: Number of HALF days (4 hours or less)

1 = 1 day

2 = 2 days

3 = 3 days

4 = 4 days

5 = 5 days

6 = 6 days

7 = None

Variable Name(s): ACBGDWFU, ACBGDWHHA

Country	Item ID	Code	Documentation
LITHUANIA	SCQ1-11BA	D	Gang punch to "5 days"
LITHUANIA	SCQ1-11BB	D	Gang punch to "None"
MOROCCO	SCQ1-11BA-BB	D	Gang punch to 4 full instructional days and 2 half instructional days
NETHERLANDS	SCQ1-11BA	D	Gang punched to "4 days"
NETHERLANDS	SCQ1-11BB	D	Gang punched to "1 day"
NORWAY	SCQ1-11BA	D	Gang punch to "5 days"
NORWAY	SCQ1-11BB	D	Gang punch to "None"
SINGAPORE	SCQ1-11BA	D	Gang punched to "5 days"
SINGAPORE	SCQ1-11BB	D	Gang punched to "1 day"

SCQ1-11C**Question:**

To the nearest half-hour, what is the total instructional time in a typical full day (excluding lunch breaks, study hall, and after school activities) for <fourth-grade> students?

1 = 4 hours or less

2 = 4.5 hours

3 = 5 hours

4 = 5.5 hours

5 = 6 hours

6 = 6.5 hours or more

Variable Name(s): ACBGTITD

Country	Item ID	Code	Documentation
IRAN, ISLAMIC REP.	SCQ1-11C	A	Stem of the question changed: To the nearest half-hour, what is the total instructional time in a typical full day (excluding lunch breaks, praying, and after-school activities) for students?
NETHERLANDS	SCQ1-11C	D	Gang punched to "5.5 hours"
NORWAY	SCQ1-11C	D	Gang punch to "4.5 hours"

SCQ1-12**Question:**

How does your school organize mathematics instruction for <fourth-grade> students with different levels of ability?

1 = Students study the same mathematics curriculum

2 = Students study the same mathematics curriculum, but at different levels of difficulty

3 = Students study different mathematics curricula according to their ability levels

Variable Name(s): ACBMODLA

Country	Item ID	Code	Documentation
ENGLAND	SCQ1-12	D	Nationally defined options: 1 = Children are taught in mixed ability classes 2 = Classes are formed by ability 3 = Children study only some attainment targets
NEW ZEALAND	SCQ1-12	D	Nationally defined options: 1 = All Year 5 students study at the same level of the mathematics curriculum 2 = Year 5 students study the same mathematics curriculum, but at different levels 3 = Option not administered or data not available
NORWAY	SCQ1-12	X	Question not administered or data not available
SCOTLAND	SCQ1-12	D	Nationally defined options: 1 = Children are taught in mixed ability classes 2 = Classes are formed by ability 3 = Children study only some attainment targets

SCQ1-13**Question:**

Are <fourth grade> students in your school grouped by ability within their mathematics lessons?

1 = Yes

2 = No

Variable Name(s): ACBMGAMC

Country	Item ID	Code	Documentation
NORWAY	SCQ1-13	X	Question not administered or data not available

SCQ1-14A-B**Question:**

Does your school do any of the following for students in the <fourth grade>?

A: Offer enrichment mathematics

B: Offer remedial mathematics

1 = Yes

2 = No

Variable Name(s): ACBMISOEM, ACBMSORM

Country	Item ID	Code	Documentation
NORWAY	SCQ1-14A-B	X	Question not administered or data not available

SCQ1-15**Question:**

How does your school organize science instruction for <fourth-grade> students with different levels of ability?

1 = Students study the same science curriculum

2 = Students study the same science curriculum, but at different levels of difficulty

3 = Students study different science curricula according to their ability levels

Variable Name(s): ACBSODLA

Country	Item ID	Code	Documentation
ENGLAND	SCQ1-15	D	Nationally defined options: 1 = Children are taught in mixed ability classes 2 = Classes are formed by ability 3 = Children study only some attainment targets
NEW ZEALAND	SCQ1-15	D	Nationally defined options: 1 = All Year 5 students study at the same level of the science curriculum 2 = Year 5 students study the same science curriculum, but at different levels 3 = Option not administered or data not available
NORWAY	SCQ1-15	X	Question not administered or data not available
SCOTLAND	SCQ1-15	D	Nationally defined options: 1 = Children are taught in mixed ability classes 2 = Classes are formed by ability 3 = Children study only some attainment targets

SCQ1-16**Question:**

Are <fourth grade> students in your school grouped by ability within their science lessons?

1 = Yes

2 = No

Variable Name(s): ACBSGASC

Country	Item ID	Code	Documentation
NORWAY	SCQ1-16	X	Question not administered or data not available

SCQ1-17A-B**Question:**

Does your school do any of the following for students in the <fourth grade>?

A: Offer enrichment science

B: Offer remedial science

1 = Yes

2 = No

Variable Name(s): ACBSSOES, ACBSSORS

Country	Item ID	Code	Documentation
NORWAY	SCQ1-17A-B	X	Question not administered or data not available

SCQ1-18**Question:**

How difficult was it to fill <fourth-grade> teaching vacancies for this school year?

1 = Were no vacancies in this subject

2 = Easy to fill vacancies

3 = Somewhat difficult

4 = Very difficult

Variable Name(s): ACBGFTVY

Country	Item ID	Code	Documentation
ITALY	SCQ1-18	X	Question not administered or data not available

SCQ1-19**Question:**

Does your school currently use any incentives (e.g., pay, housing, signing bonus) to recruit or retain <fourth-grade> teachers?

1 = Yes

2 = No

Variable Name(s): ACBGBONS

Country	Item ID	Code	Documentation
ITALY	SCQ1-19	X	Question not administered or data not available

SCQ1-25A-B**Question:**

A: Is anyone available to help your teachers use information and communication technology for teaching and learning?

1 = Yes

2 = No

B: Which of the following statements best describes the person at this school who helps teachers use information and communication technology for teaching and learning?

1 = A full time school level coordinator (who has no other job responsibility)

2 = A library media specialist who also serves as computer coordinator

3 = A teacher who also has the title of this type of coordination

4 = A teacher who provides leadership informally to other teachers

5 = A district-level coordinator

6 = The principal or another school administrator

7 = Other person

Variable Name(s): ACBGHTTE, ACBGPHTTE

Country	Item ID	Code	Documentation
NETHERLANDS	SCQ1-25B	D	National options recoded to fit international categories: 1 = A full-time school level coordinator (who has no other job responsibility) 2 = A library media specialist who also serves as computer coordinator 3 = A teacher who also has the title of this type of coordinator 4 = A teacher who provides leadership informally to other teachers 5 = Option not administered or data not available 6 = The principal or another school administrator 7 = Other person

Section 9

**Fourth Grade – Sampling
Stratification Information**

Section 9: Fourth Grade - Sampling Stratification Information

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ARMENIA	1	Republic of Armenia	1	Aragatsotn
	1	Republic of Armenia	2	Ararat
	1	Republic of Armenia	3	Armavir
	1	Republic of Armenia	4	Gegharkunik
	1	Republic of Armenia	5	Kotayk
	1	Republic of Armenia	6	Lori
	1	Republic of Armenia	7	Shirak
	1	Republic of Armenia	8	Syunik
	1	Republic of Armenia	9	Tavush
	1	Republic of Armenia	10	Vayots Dzor
	1	Republic of Armenia	11	Yerevan
AUSTRALIA	A	Not Available	A	Not Available
BELGIUM (FLEMISH)	1	Belgium Flemish	1	Catholic Education
	1	Belgium Flemish	2	Communal Education
	1	Belgium Flemish	3	State Education
CHINESE TAIPEI	1	Chinese Taipei	1	Region 1
	1	Chinese Taipei	2	Region 2
	1	Chinese Taipei	3	Region 3
	1	Chinese Taipei	4	Region 4
	1	Chinese Taipei	5	Region 5
CYPRUS	1	Nicosia	1	Urban
	1	Nicosia	2	Rural
	2	Larnaka	1	Urban
	2	Larnaka	2	Rural
	3	Limassol	1	Urban
	3	Limassol	2	Rural
	4	Pafos	1	Urban
	4	Pafos	2	Rural
ENGLAND	1	England	1	Low Perf. - Primary
	1	England	2	Low Perf. - Junior
	1	England	3	Low Perf. - Middle
	1	England	4	Low Perf. - Independent
	1	England	5	Low/Mid Perf. - Primary
	1	England	6	Low/Mid Perf. - Junior
	1	England	7	Low/Mid Perf. - Middle
	1	England	8	Low/Mid Perf. - Independent
	1	England	9	Mid Perf. - Primary
	1	England	10	Mid Perf. - Junior
	1	England	11	Mid Perf. - Middle
	1	England	12	Mid Perf. - Independent
	1	England	13	Mid/High Perf. - Primary
	1	England	14	Mid/High Perf. - Junior
	1	England	15	Mid/High Perf. - Middle
	1	England	16	Mid/High Perf. - Independent
	1	England	17	High Perf. - Primary
	1	England	18	High Perf. - Junior
	1	England	19	High Perf. - Middle
	1	England	20	High Perf. - Independent

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ENGLAND	1	England	21	Unknown Perf. - Primary
	1	England	22	Unknown Perf. - Junior
	1	England	23	Unknown Perf. - Middle
	1	England	24	Unknown Perf. - Independent
HONG KONG	1	Hong Kong	1	Single-sex - Aided - Morning
	1	Hong Kong	2	Single-sex - Aided - Afternoon
	1	Hong Kong	3	Single-sex - Aided - Whole Day
	1	Hong Kong	4	Single-sex - Gov. & Private - Morning
	1	Hong Kong	5	Single-sex - Gov. & Private - Afternoon
	1	Hong Kong	6	Single-sex - Gov. & Private - Whole Day
	1	Hong Kong	7	Mixed - Aided - Morning
	1	Hong Kong	8	Mixed - Aided - Afternoon
	1	Hong Kong	9	Mixed - Aided - Whole Day
	1	Hong Kong	10	Mixed - Gov. & Private - Morning
	1	Hong Kong	11	Mixed - Gov. & Private - Afternoon
	1	Hong Kong	12	Mixed - Gov. & Private - Whole Day
HUNGARY	1	Gr. 4 only	1	Baranya - County Seat
	1	Gr. 4 only	2	Baranya - Towns
	1	Gr. 4 only	3	Baranya - Villages
	1	Gr. 4 only	4	Borsod-Abaúj-Zemplén - County Seat
	1	Gr. 4 only	5	Borsod-Abaúj-Zemplén - Towns
	1	Gr. 4 only	6	Borsod-Abaúj-Zemplén - Villages
	1	Gr. 4 only	7	Bács-Kiskun - County Seat
	1	Gr. 4 only	8	Bács-Kiskun - Towns
	1	Gr. 4 only	9	Bács-Kiskun - Villages
	1	Gr. 4 only	10	Békés - County Seat
	1	Gr. 4 only	11	Békés - Towns
	1	Gr. 4 only	12	Békés - Villages
	1	Gr. 4 only	13	Csongrád - County Seat
	1	Gr. 4 only	14	Csongrád - Towns
	1	Gr. 4 only	15	Csongrád - Villages
	1	Gr. 4 only	16	Fejér - County Seat
	1	Gr. 4 only	17	Fejér - Towns
	1	Gr. 4 only	18	Fejér - Villages
	1	Gr. 4 only	19	Gyor-Moson-Sopron - County Seat
	1	Gr. 4 only	20	Gyor-Moson-Sopron - Towns
	1	Gr. 4 only	21	Gyor-Moson-Sopron - Villages
	1	Gr. 4 only	22	Hajdú-Bihar - County Seat
	1	Gr. 4 only	23	Hajdú-Bihar - Towns
	1	Gr. 4 only	24	Hajdú-Bihar - Villages
	1	Gr. 4 only	25	Heves - County Seat
	1	Gr. 4 only	26	Heves - Towns
	1	Gr. 4 only	27	Heves - Villages
	1	Gr. 4 only	28	Jász-Nagykun-Szolnok - County Seat
	1	Gr. 4 only	29	Jász-Nagykun-Szolnok - Towns
	1	Gr. 4 only	30	Jász-Nagykun-Szolnok - Villages
	1	Gr. 4 only	31	Komárom-Esztergom - Towns
	1	Gr. 4 only	32	Komárom-Esztergom - Villages
	1	Gr. 4 only	33	Nógrád - Towns

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
HUNGARY	1	Gr. 4 only	34	Nógrád - Villages
	1	Gr. 4 only	35	Pest - Towns
	1	Gr. 4 only	36	Pest - Villages
	1	Gr. 4 only	37	Somogy - County Seat
	1	Gr. 4 only	38	Somogy - Towns
	1	Gr. 4 only	39	Somogy - Villages
	1	Gr. 4 only	40	Szabolcs-Szatmár-Bereg - Towns
	1	Gr. 4 only	41	Szabolcs-Szatmár-Bereg - Villages
	1	Gr. 4 only	42	Tolna - Towns
	1	Gr. 4 only	43	Tolna - Villages
	1	Gr. 4 only	44	Vas - County Seat
	1	Gr. 4 only	45	Vas - Towns
	1	Gr. 4 only	46	Vas - Villages
	1	Gr. 4 only	47	Veszprém - County Seat
	1	Gr. 4 only	48	Veszprém - Towns
	1	Gr. 4 only	49	Veszprém - Villages
	1	Gr. 4 only	50	Zala - Towns
	1	Gr. 4 only	51	Zala - Villages
	1	Gr. 4 only	52	Fováros - Budapest
	3	Gr. 4 & Gr. 8	1	Baranya - County Seat
	3	Gr. 4 & Gr. 8	2	Baranya - Towns
	3	Gr. 4 & Gr. 8	3	Baranya - Villages
	3	Gr. 4 & Gr. 8	4	Borsod-Abaúj-Zemplén - County Seat
	3	Gr. 4 & Gr. 8	5	Borsod-Abaúj-Zemplén - Towns
	3	Gr. 4 & Gr. 8	6	Borsod-Abaúj-Zemplén - Villages
	3	Gr. 4 & Gr. 8	7	Bács-Kiskun - County Seat
	3	Gr. 4 & Gr. 8	8	Bács-Kiskun - Towns
	3	Gr. 4 & Gr. 8	9	Bács-Kiskun - Villages
	3	Gr. 4 & Gr. 8	10	Békés - County Seat
	3	Gr. 4 & Gr. 8	11	Békés - Towns
	3	Gr. 4 & Gr. 8	12	Békés - Villages
	3	Gr. 4 & Gr. 8	13	Csongrád - County Seat
	3	Gr. 4 & Gr. 8	14	Csongrád - Towns
	3	Gr. 4 & Gr. 8	15	Csongrád - Villages
	3	Gr. 4 & Gr. 8	16	Fejér - County Seat
	3	Gr. 4 & Gr. 8	17	Fejér - Towns
	3	Gr. 4 & Gr. 8	18	Fejér - Villages
	3	Gr. 4 & Gr. 8	19	Gyor-Moson-Sopron - County Seat
	3	Gr. 4 & Gr. 8	20	Gyor-Moson-Sopron - Towns
	3	Gr. 4 & Gr. 8	21	Gyor-Moson-Sopron - Villages
	3	Gr. 4 & Gr. 8	22	Hajdú-Bihar - County Seat
	3	Gr. 4 & Gr. 8	23	Hajdú-Bihar - Towns
	3	Gr. 4 & Gr. 8	24	Hajdú-Bihar - Villages
	3	Gr. 4 & Gr. 8	25	Heves - County Seat
	3	Gr. 4 & Gr. 8	26	Heves - Towns
	3	Gr. 4 & Gr. 8	27	Heves - Villages
	3	Gr. 4 & Gr. 8	28	Jász-Nagykun-Szolnok - County Seat
	3	Gr. 4 & Gr. 8	29	Jász-Nagykun-Szolnok - Towns
	3	Gr. 4 & Gr. 8	30	Jász-Nagykun-Szolnok - Villages

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
HUNGARY	3	Gr. 4 & Gr. 8	31	Komárom-Esztergom - County Seat	
	3	Gr. 4 & Gr. 8	32	Komárom-Esztergom - Towns	
	3	Gr. 4 & Gr. 8	33	Komárom-Esztergom - Villages	
	3	Gr. 4 & Gr. 8	34	Nógrád - County Seat	
	3	Gr. 4 & Gr. 8	35	Nógrád - Towns	
	3	Gr. 4 & Gr. 8	36	Nógrád - Villages	
	3	Gr. 4 & Gr. 8	37	Pest - Towns	
	3	Gr. 4 & Gr. 8	38	Pest - Villages	
	3	Gr. 4 & Gr. 8	39	Somogy - County Seat	
	3	Gr. 4 & Gr. 8	40	Somogy - Towns	
	3	Gr. 4 & Gr. 8	41	Somogy - Villages	
	3	Gr. 4 & Gr. 8	42	Szabolcs-Szatmár-Bereg - County Seat	
	3	Gr. 4 & Gr. 8	43	Szabolcs-Szatmár-Bereg - Towns	
	3	Gr. 4 & Gr. 8	44	Szabolcs-Szatmár-Bereg - Villages	
	3	Gr. 4 & Gr. 8	45	Tolna - County Seat	
	3	Gr. 4 & Gr. 8	46	Tolna - Towns	
	3	Gr. 4 & Gr. 8	47	Tolna - Villages	
	3	Gr. 4 & Gr. 8	48	Vas - County Seat	
	3	Gr. 4 & Gr. 8	49	Vas - Towns	
	3	Gr. 4 & Gr. 8	50	Vas - Villages	
	3	Gr. 4 & Gr. 8	51	Veszprém - County Seat	
	3	Gr. 4 & Gr. 8	52	Veszprém - Towns	
	3	Gr. 4 & Gr. 8	53	Veszprém - Villages	
	3	Gr. 4 & Gr. 8	54	Zala - County Seat	
	3	Gr. 4 & Gr. 8	55	Zala - Towns	
	3	Gr. 4 & Gr. 8	56	Zala - Villages	
	3	Gr. 4 & Gr. 8	57	Fováros - Budapest	
	INDIANA, US	1	Private	1	Urbanization Level 1 - Low Minority
		1	Private	2	Urbanization Level 1 - High Minority
		1	Private	3	Urbanization Level 2 - Low Minority
		1	Private	4	Urbanization Level 2 - High Minority
		1	Private	5	Urbanization Level 3 - Low Minority
1		Private	6	Urbanization Level 3 - High Minority	
1		Private	7	Urbanization Level 4 - Low Minority	
1		Private	8	Urbanization Level 4 - High Minority	
1		Private	9	Urbanization Level 5 - Low Minority	
1		Private	10	Urbanization Level 5 - High Minority	
1		Private	11	Urbanization Level 6 - Low Minority	
1		Private	12	Urbanization Level 6 - High Minority	
1		Private	13	Urbanization Level 7 - Low Minority	
1		Private	14	Urbanization Level 7 - High Minority	
1		Private	15	Urbanization Level 8 - Low Minority	
1		Private	16	Urbanization Level 8 - High Minority	
2	Public	1	Urbanization Level 1 - Low Minority		
2	Public	2	Urbanization Level 1 - High Minority		
2	Public	3	Urbanization Level 2 - Low Minority		
2	Public	4	Urbanization Level 2 - High Minority		
2	Public	5	Urbanization Level 3 - Low Minority		
2	Public	6	Urbanization Level 3 - High Minority		

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
INDIANA, US	2	Public	7	Urbanization Level 4 - Low Minority	
	2	Public	8	Urbanization Level 4 - High Minority	
	2	Public	9	Urbanization Level 5 - Low Minority	
	2	Public	10	Urbanization Level 5 - High Minority	
	2	Public	11	Urbanization Level 6 - Low Minority	
	2	Public	12	Urbanization Level 6 - High Minority	
	2	Public	13	Urbanization Level 7 - Low Minority	
	2	Public	14	Urbanization Level 7 - High Minority	
	2	Public	15	Urbanization Level 8 - Low Minority	
	2	Public	16	Urbanization Level 8 - High Minority	
	IRAN, ISLAMIC REP.	1	Small - Public	1	All
		2	Small - Private	1	All
		3	Large - Public	1	All
		4	Large - Private	1	All
	ITALY	1	Italy	1	Val d'Aosta - Capital Town
		1	Italy	2	Val d'Aosta - Other Towns
1		Italy	3	Piemonte - Capital Town	
1		Italy	4	Piemonte - Other Towns	
1		Italy	5	Liguria - Capital Town	
1		Italy	6	Liguria - Other Towns	
1		Italy	7	Lombardia - Capital Town	
1		Italy	8	Lombardia - Other Towns	
1		Italy	9	Trentino-Alto-Adige - Capital Town	
1		Italy	10	Trentino-Alto-Adige - Other Towns	
1		Italy	11	Veneto - Capital Town	
1		Italy	12	Veneto - Other Towns	
1		Italy	13	Friuli-Venezia-Giulia - Capital Town	
1		Italy	14	Friuli-Venezia-Giulia - Other Towns	
1		Italy	15	Emilia Romagna - Capital Town	
1		Italy	16	Emilia Romagna - Other Towns	
1		Italy	17	Toscana - Capital Town	
1		Italy	18	Toscana - Other Towns	
1		Italy	19	Umbria - Capital Town	
1		Italy	20	Umbria - Other Towns	
1		Italy	21	Marche - Capital Town	
1		Italy	22	Marche - Other Towns	
1		Italy	23	Lazio - Capital Town	
1		Italy	24	Lazio - Other Towns	
1		Italy	25	Abruzzo - Capital Town	
1		Italy	26	Abruzzo - Other Towns	
1		Italy	27	Molise - Capital Town	
1		Italy	28	Molise - Other Towns	
1		Italy	29	Campania - Capital Town	
1		Italy	30	Campania - Other Towns	
1		Italy	31	Puglia - Capital Town	
1		Italy	32	Puglia - Other Towns	
1		Italy	33	Basilicata - Capital Town	
1		Italy	34	Basilicata - Other Towns	
1		Italy	35	Calabria - Capital Town	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
ITALY	1	Italy	36	Calabria - Other Towns
	1	Italy	37	Sicilia - Capital Town
	1	Italy	38	Sicilia - Other Towns
	1	Italy	39	Sardegna - Capital Town
	1	Italy	40	Sardegna - Other Towns
JAPAN	1	Big City	1	All
	2	City	1	All
	3	Non-City	1	All
LATVIA	1	Gr. 4 only	1	Latvian - Rural
	1	Gr. 4 only	2	Latvian - Urban
	1	Gr. 4 only	3	Mixed - Rural
	1	Gr. 4 only	4	Mixed - Urban
	1	Gr. 4 only	5	Russian - Rural
	1	Gr. 4 only	6	Russian - Urban
	3	Gr. 4 & 8 - Very Large	1	Latvian - Urban
	3	Gr. 4 & 8 - Very Large	2	Mixed - Urban
	3	Gr. 4 & 8 - Very Large	3	Russian - Urban
	4	Gr. 4 & 8 - Large	1	Latvian - Rural
	4	Gr. 4 & 8 - Large	2	Latvian - Urban
	4	Gr. 4 & 8 - Large	3	Mixed - Rural
	4	Gr. 4 & 8 - Large	4	Mixed - Urban
	4	Gr. 4 & 8 - Large	5	Russian - Rural
	4	Gr. 4 & 8 - Large	6	Russian - Urban
LITHUANIA	1	Lithuanian - Gr. 4 only	1	Basic
	1	Lithuanian - Gr. 4 only	2	Primary
	1	Lithuanian - Gr. 4 only	3	Secondary
	3	Lithuanian - Gr. 4 & Gr. 8	1	Basic
	3	Lithuanian - Gr. 4 & Gr. 8	2	Secondary
MOLDOVA, REP. OF	1	Gr. 4 only	1	Urban
	1	Gr. 4 only	2	Rural
	3	Gr. 4 & Gr. 8	1	Urban - Other
	3	Gr. 4 & Gr. 8	2	Urban - Gymnasium
	3	Gr. 4 & Gr. 8	3	Urban - Lyceum- Mixed
	3	Gr. 4 & Gr. 8	4	Urban - Lyceum- National
	3	Gr. 4 & Gr. 8	5	Urban - Lyceum- Russian
	3	Gr. 4 & Gr. 8	6	Urban - General School - Mixed
	3	Gr. 4 & Gr. 8	7	Urban - General School - National
	3	Gr. 4 & Gr. 8	8	Urban - General School - Russian
	3	Gr. 4 & Gr. 8	9	Rural - Other
	3	Gr. 4 & Gr. 8	10	Rural - Gymnasium - Mixed
	3	Gr. 4 & Gr. 8	11	Rural - Gymnasium - National
	3	Gr. 4 & Gr. 8	12	Rural - Gymnasium - Russian
	3	Gr. 4 & Gr. 8	13	Rural - Lyceum
	3	Gr. 4 & Gr. 8	14	Rural - General School - Mixed
3	Gr. 4 & Gr. 8	15	Rural - General School - National	
3	Gr. 4 & Gr. 8	16	Rural - General School - Russian	
MOROCCO	1	Gr. 4 only - Region Group 1	1	Private
	1	Gr. 4 only - Region Group 1	2	Rural - Public - Autonomous
	1	Gr. 4 only - Region Group 1	3	Rural - Public - Satellite

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
MOROCCO	1	Gr. 4 only - Region Group 1	4	Rural - Public - School Sector
	1	Gr. 4 only - Region Group 1	5	Urban - Public - Autonomous
	1	Gr. 4 only - Region Group 1	6	Urban - Public - Satellite
	1	Gr. 4 only - Region Group 1	7	Urban - Public - School Sector
	2	Gr. 4 only - Region Group 2	1	Private
	2	Gr. 4 only - Region Group 2	2	Rural - Public - Autonomous
	2	Gr. 4 only - Region Group 2	3	Rural - Public - Satellite
	2	Gr. 4 only - Region Group 2	4	Rural - Public - School Sector
	2	Gr. 4 only - Region Group 2	5	Urban - Public - Annex
	2	Gr. 4 only - Region Group 2	6	Urban - Public - Autonomous
	2	Gr. 4 only - Region Group 2	7	Urban - Public - Satellite
	2	Gr. 4 only - Region Group 2	8	Urban - Public - School Sector
	3	Gr. 4 only - Region Group 3	1	Private
	3	Gr. 4 only - Region Group 3	2	Rural - Public - Autonomous
	3	Gr. 4 only - Region Group 3	3	Rural - Public - Satellite
	3	Gr. 4 only - Region Group 3	4	Rural - Public - School Sector
	3	Gr. 4 only - Region Group 3	5	Urban - Public - Autonomous
	3	Gr. 4 only - Region Group 3	6	Urban - Public - Satellite
	3	Gr. 4 only - Region Group 3	7	Urban - Public - School Sector
	4	Gr. 4 only - Region Group 4	1	Private
	4	Gr. 4 only - Region Group 4	2	Rural - Public - Autonomous
	4	Gr. 4 only - Region Group 4	3	Rural - Public - Satellite
	4	Gr. 4 only - Region Group 4	4	Rural - Public - School Sector
	4	Gr. 4 only - Region Group 4	5	Urban - Public - Annex
	4	Gr. 4 only - Region Group 4	6	Urban - Public - Autonomous
	4	Gr. 4 only - Region Group 4	7	Urban - Public - Satellite
	4	Gr. 4 only - Region Group 4	8	Urban - Public - School Sector
	5	Gr. 4 only - Region Group 5	1	Private
	5	Gr. 4 only - Region Group 5	2	Rural - Public - Annex
	5	Gr. 4 only - Region Group 5	3	Rural - Public - Autonomous
	5	Gr. 4 only - Region Group 5	4	Rural - Public - Satellite
	5	Gr. 4 only - Region Group 5	5	Rural - Public - School Sector
	5	Gr. 4 only - Region Group 5	6	Urban - Public - Annex
	5	Gr. 4 only - Region Group 5	7	Urban - Public - Autonomous
	5	Gr. 4 only - Region Group 5	8	Urban - Public - Satellite
	5	Gr. 4 only - Region Group 5	9	Urban - Public - School Sector
	6	Gr. 4 only - Region Group 6	1	Private
	6	Gr. 4 only - Region Group 6	2	Rural - Public - Autonomous
	6	Gr. 4 only - Region Group 6	3	Rural - Public - Satellite
	6	Gr. 4 only - Region Group 6	4	Rural - Public - School Sector
	6	Gr. 4 only - Region Group 6	5	Urban - Public - Annex
	6	Gr. 4 only - Region Group 6	6	Urban - Public - Autonomous
	6	Gr. 4 only - Region Group 6	7	Urban - Public - Satellite
	6	Gr. 4 only - Region Group 6	8	Urban - Public - School Sector
	7	Gr. 4 only - Region Group 7	1	Private
	7	Gr. 4 only - Region Group 7	2	Rural - Public - Autonomous
	7	Gr. 4 only - Region Group 7	3	Rural - Public - Satellite
	7	Gr. 4 only - Region Group 7	4	Rural - Public - School Sector
	7	Gr. 4 only - Region Group 7	5	Urban - Public - Annex

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
MOROCCO	7	Gr. 4 only - Region Group 7	6	Urban - Public - Autonomous	
	7	Gr. 4 only - Region Group 7	7	Urban - Public - Satellite	
	7	Gr. 4 only - Region Group 7	8	Urban - Public - School Sector	
	8	Gr. 4 only - Region Group 8	1	Private	
	8	Gr. 4 only - Region Group 8	2	Rural - Public - Autonomous	
	8	Gr. 4 only - Region Group 8	3	Rural - Public - Satellite	
	8	Gr. 4 only - Region Group 8	4	Rural - Public - School Sector	
	8	Gr. 4 only - Region Group 8	5	Urban - Public - Annex	
	8	Gr. 4 only - Region Group 8	6	Urban - Public - Autonomous	
	8	Gr. 4 only - Region Group 8	7	Urban - Public - Satellite	
	8	Gr. 4 only - Region Group 8	8	Urban - Public - School Sector	
	18	Gr. 4 & Gr. 8	1	Private	
	18	Gr. 4 & Gr. 8	2	Rural - Public	
	18	Gr. 4 & Gr. 8	3	Urban - Public	
	NETHERLANDS	1	Netherlands	1	Low Mean Student Weight
		1	Netherlands	2	Medium Mean Student Weight
		1	Netherlands	3	High Mean Student Weight
	NEW ZEALAND	A	Not Available	A	Not Available
NORWAY	1	Gr. 4 only & bokmål only	1	All	
	3	Gr. 4 & Gr. 8 & bokmål only	1	All	
	4	Gr. 4 only & other	1	All	
	6	Gr.4 & Gr. 8 & other	1	All	
ONTARIO, CANADA	1	Gr. 4 only - English	1	Private Schools	
	1	Gr. 4 only - English	2	Public Schools	
	1	Gr. 4 only - English	3	Separate Schools	
	2	Gr. 4 only - French	1	Private Schools	
	2	Gr. 4 only - French	2	Public Schools	
	2	Gr. 4 only - French	3	Separate Schools	
	5	Gr. 4 & Gr. 8 - English	1	Private Schools	
	5	Gr. 4 & Gr. 8 - English	2	Public Schools	
	5	Gr. 4 & Gr. 8 - English	3	Separate Schools	
	6	Gr. 4 & Gr. 8 - French	1	Private Schools	
	6	Gr. 4 & Gr. 8 - French	2	Public Schools	
	6	Gr. 4 & Gr. 8 - French	3	Separate Schools	
PHILIPPINES	1	Elementary - Public	1	Region NCR	
	1	Elementary - Public	2	Region CAR	
	1	Elementary - Public	3	Region I	
	1	Elementary - Public	4	Region II	
	1	Elementary - Public	5	Region III	
	1	Elementary - Public	6	Region IV-A	
	1	Elementary - Public	7	Region IV-B	
	1	Elementary - Public	8	Region V	
	1	Elementary - Public	9	Region VI	
	1	Elementary - Public	10	Region VII	
	1	Elementary - Public	11	Region VIII	
	1	Elementary - Public	12	Region IX	
	1	Elementary - Public	13	Region X	
	1	Elementary - Public	14	Region XI	
	1	Elementary - Public	15	Region XII	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
PHILIPPINES	1	Elementary - Public	16	Region Caraga
	2	Elementary - Private	1	Region NCR
	2	Elementary - Private	2	Region CAR
	2	Elementary - Private	3	Region I
	2	Elementary - Private	4	Region II
	2	Elementary - Private	5	Region III
	2	Elementary - Private	6	Region IV-A
	2	Elementary - Private	7	Region IV-B
	2	Elementary - Private	8	Region V
	2	Elementary - Private	9	Region VI
	2	Elementary - Private	10	Region VII
	2	Elementary - Private	11	Region VIII
	2	Elementary - Private	12	Region IX
	2	Elementary - Private	13	Region X
	2	Elementary - Private	14	Region XI
	2	Elementary - Private	15	Region XII
	QUEBEC, CANADA	2	Elementary - Private	16
1		Gr. 4 only - English	1	Private
1		Gr. 4 only - English	2	Public
2		Gr. 4 only - English & French	1	Private
3		Gr. 4 only - French	1	Private
3		Gr. 4 only - French	2	Public
7		Gr. 4 & Gr. 8 - English	1	Private
7		Gr. 4 & Gr. 8 - English	2	Public
RUSSIAN FED.	8	Gr. 4 & Gr. 8 - French	1	Private
	8	Gr. 4 & Gr. 8 - French	2	Public
SCOTLAND	A	Not Available	A	Not Available
SCOTLAND	1	Gr. 4 only	1	Low Perf. - Primary
	1	Gr. 4 only	2	Low/Mid Perf. - Primary
	1	Gr. 4 only	3	Mid Perf. - Primary
	1	Gr. 4 only	4	Mid/High Perf. - Comprehensive to 16
	1	Gr. 4 only	5	Mid/High Perf. - Primary
	1	Gr. 4 only	6	High Perf. - Primary
	1	Gr. 4 only	7	Unknown Perf. - Independent
	4	Gr. 4 & Gr. 8	1	Low Perf. - Independent
	4	Gr. 4 & Gr. 8	2	Mid Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	3	Mid/High Perf. - Comprehensive to 16
	4	Gr. 4 & Gr. 8	4	Mid/High Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	5	High Perf. - Comprehensive to 16
	4	Gr. 4 & Gr. 8	6	High Perf. - Comprehensive to 18
	4	Gr. 4 & Gr. 8	7	High Perf. - Independent
	4	Gr. 4 & Gr. 8	8	High Perf. - Other
	4	Gr. 4 & Gr. 8	9	Unknown Perf. - Comprehensive to 16
	4	Gr. 4 & Gr. 8	10	Unknown Perf. - Independent
4	Gr. 4 & Gr. 8	11	Unknown Perf. - Other	
SINGAPORE	1	Singapore	1	All
SLOVENIA	1	New System in Gr. 4 & Gr. 8	1	Region 1
	1	New System in Gr. 4 & Gr. 8	2	Region 2
	1	New System in Gr. 4 & Gr. 8	3	Region 3

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
SLOVENIA	1	New System in Gr. 4 & Gr. 8	4	Region 4	
	1	New System in Gr. 4 & Gr. 8	5	Region 8	
	1	New System in Gr. 4 & Gr. 8	6	Region 9	
	2	New System in Gr. 4	1	Region 1	
	2	New System in Gr. 4	2	Region 2	
	2	New System in Gr. 4	3	Region 3	
	2	New System in Gr. 4	4	Region 4	
	2	New System in Gr. 4	5	Region 5	
	2	New System in Gr. 4	6	Region 6	
	2	New System in Gr. 4	7	Region 8	
	2	New System in Gr. 4	8	Region 9	
	3	New System in Gr. 8	1	Region 1	
	3	New System in Gr. 8	2	Region 2	
	3	New System in Gr. 8	3	Region 4	
	3	New System in Gr. 8	4	Region 8	
	3	New System in Gr. 8	5	Region 9	
	4	Old System - Very Large	1	Region 1	
	4	Old System - Very Large	2	Region 5	
	5	Old System - Large	1	Region 1	
	5	Old System - Large	2	Region 2	
	5	Old System - Large	3	Region 3	
	5	Old System - Large	4	Region 4	
	5	Old System - Large	5	Region 5	
	5	Old System - Large	6	Region 6	
	5	Old System - Large	7	Region 8	
	5	Old System - Large	8	Region 9	
	TUNISIA	1	Tunisia	1	Communal - TUNIS
		1	Tunisia	2	Communal - ARIANA
		1	Tunisia	3	Communal - BEN AROUS
		1	Tunisia	4	Communal - ZAGHOUAN
		1	Tunisia	5	Communal - MANNOUBA
		1	Tunisia	6	Communal - BIZERTE
1		Tunisia	7	Communal - BEJA	
1		Tunisia	8	Communal - JENDOUBA	
1		Tunisia	9	Communal - EL KEF	
1		Tunisia	10	Communal - SILIANA	
1		Tunisia	11	Communal - KASSERINE	
1		Tunisia	12	Communal - S.BOUZID	
1		Tunisia	13	Communal - GAFSA	
1		Tunisia	14	Communal - TOZEUR	
1		Tunisia	15	Communal - KEBILLI	
1		Tunisia	16	Communal - TATAOUINE	
1		Tunisia	17	Communal - MEDENINE	
1		Tunisia	18	Communal - GABES	
1		Tunisia	19	Communal - SFAX	
1		Tunisia	20	Communal - KAIROUAN	
1		Tunisia	21	Communal - MAHDIA	
1		Tunisia	22	Communal - MONASTIR	
1		Tunisia	23	Communal - SOUSSE	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
TUNISIA	1	Tunisia	24	Communal - NABEUL	
	1	Tunisia	25	Non-communal - ARIANA	
	1	Tunisia	26	Non-communal - BEN AROUS	
	1	Tunisia	27	Non-communal - ZAGHOUAN	
	1	Tunisia	28	Non-communal - MANNOUBA	
	1	Tunisia	29	Non-communal - BIZERTE	
	1	Tunisia	30	Non-communal - BEJA	
	1	Tunisia	31	Non-communal - JENDOUBA	
	1	Tunisia	32	Non-communal - EL KEF	
	1	Tunisia	33	Non-communal - SILIANA	
	1	Tunisia	34	Non-communal - KASSERINE	
	1	Tunisia	35	Non-communal - S.BOUZID	
	1	Tunisia	36	Non-communal - GAFSA	
	1	Tunisia	37	Non-communal - TOZEUR	
	1	Tunisia	38	Non-communal - KEBILLI	
	1	Tunisia	39	Non-communal - TATAOUINE	
	1	Tunisia	40	Non-communal - MEDENINE	
	1	Tunisia	41	Non-communal - GABES	
	1	Tunisia	42	Non-communal - SFAX	
	1	Tunisia	43	Non-communal - KAIROUAN	
	1	Tunisia	44	Non-communal - MAHDIA	
	1	Tunisia	45	Non-communal - SOUSSE	
	1	Tunisia	46	Non-communal - NABEUL	
	UNITED STATES	1	High Poverty	1	Public - North East - Large Central City - High Minority
		1	High Poverty	2	Public - North East - Large Central City - Low Minority
		1	High Poverty	3	Public - North East - Mid-size Central City - Low Minority
		1	High Poverty	4	Public - North East - Mid-size Central City - High Minority
		1	High Poverty	5	Public - North East - Suburb of LCC - High Minority
		1	High Poverty	6	Public - North East - Suburb of LCC - Low Minority
		1	High Poverty	7	Public - North East - Suburb of MCC - Low Minority
		1	High Poverty	8	Public - North East - Suburb of MCC - High Minority
		1	High Poverty	9	Public - North East - Large Town - High Minority
		1	High Poverty	10	Public - North East - Large Town - Low Minority
		1	High Poverty	11	Public - North East - Small Town - Low Minority
		1	High Poverty	12	Public - North East - Small Town - High Minority
		1	High Poverty	13	Public - North East - Rural outside MSA - High Minority
		1	High Poverty	14	Public - North East - Rural outside MSA - Low Minority
		1	High Poverty	15	Public - North East - Rural inside MSA - Low Minority
		1	High Poverty	16	Public - North East - Rural inside MSA - High Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	1	High Poverty	17	Public - South East - Rural inside MSA - High Minority
	1	High Poverty	18	Public - South East - Rural inside MSA - Low Minority
	1	High Poverty	19	Public - South East - Rural outside MSA - Low Minority
	1	High Poverty	20	Public - South East - Rural outside MSA - High Minority
	1	High Poverty	21	Public - South East - Small Town - High Minority
	1	High Poverty	22	Public - South East - Small Town - Low Minority
	1	High Poverty	23	Public - South East - Large Town - Low Minority
	1	High Poverty	24	Public - South East - Large Town - High Minority
	1	High Poverty	25	Public - South East - Suburb of MCC - High Minority
	1	High Poverty	26	Public - South East - Suburb of MCC - Low Minority
	1	High Poverty	27	Public - South East - Suburb of LCC - Low Minority
	1	High Poverty	28	Public - South East - Suburb of LCC - High Minority
	1	High Poverty	29	Public - South East - Mid-size Central City - High Minority
	1	High Poverty	30	Public - South East - Mid-size Central City - Low Minority
	1	High Poverty	31	Public - South East - Large Central City - Low Minority
	1	High Poverty	32	Public - South East - Large Central City - High Minority
	1	High Poverty	33	Public - Midwest - Large Central City - High Minority
	1	High Poverty	34	Public - Midwest - Large Central City - Low Minority
	1	High Poverty	35	Public - Midwest - Mid-size Central City - Low Minority
	1	High Poverty	36	Public - Midwest - Mid-size Central City - High Minority
	1	High Poverty	37	Public - Midwest - Suburb of LCC - High Minority
	1	High Poverty	38	Public - Midwest - Suburb of LCC - Low Minority
	1	High Poverty	39	Public - Midwest - Suburb of MCC - Low Minority
	1	High Poverty	40	Public - Midwest - Suburb of MCC - High Minority
	1	High Poverty	41	Public - Midwest - Large Town - High Minority
	1	High Poverty	42	Public - Midwest - Large Town - Low Minority
	1	High Poverty	43	Public - Midwest - Small Town - Low Minority
	1	High Poverty	44	Public - Midwest - Small Town - High Minority
	1	High Poverty	45	Public - Midwest - Rural outside MSA - High Minority
	1	High Poverty	46	Public - Midwest - Rural outside MSA - Low Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	1	High Poverty	47	Public - Midwest - Rural inside MSA - Low Minority
	1	High Poverty	48	Public - Midwest - Rural inside MSA - High Minority
	1	High Poverty	49	Public - West - Rural inside MSA - High Minority
	1	High Poverty	50	Public - West - Rural inside MSA - Low Minority
	1	High Poverty	51	Public - West - Rural outside MSA - Low Minority
	1	High Poverty	52	Public - West - Rural outside MSA - High Minority
	1	High Poverty	53	Public - West - Small Town - High Minority
	1	High Poverty	54	Public - West - Small Town - Low Minority
	1	High Poverty	55	Public - West - Large Town - Low Minority
	1	High Poverty	56	Public - West - Large Town - High Minority
	1	High Poverty	57	Public - West - Suburb of MCC - High Minority
	1	High Poverty	58	Public - West - Suburb of MCC - Low Minority
	1	High Poverty	59	Public - West - Suburb of LCC - Low Minority
	1	High Poverty	60	Public - West - Suburb of LCC - High Minority
	1	High Poverty	61	Public - West - Mid-size Central City - High Minority
	1	High Poverty	62	Public - West - Mid-size Central City - Low Minority
	1	High Poverty	63	Public - West - Large Central City - Low Minority
	1	High Poverty	64	Public - West - Large Central City - High Minority
	2	Low Poverty	1	Public - North East - Large Central City - High Minority
	2	Low Poverty	2	Public - North East - Large Central City - Low Minority
	2	Low Poverty	3	Public - North East - Mid-size Central City - Low Minority
	2	Low Poverty	4	Public - North East - Mid-size Central City - High Minority
	2	Low Poverty	5	Public - North East - Suburb of LCC - High Minority
	2	Low Poverty	6	Public - North East - Suburb of LCC - Low Minority
	2	Low Poverty	7	Public - North East - Suburb of MCC - Low Minority
	2	Low Poverty	8	Public - North East - Suburb of MCC - High Minority
	2	Low Poverty	9	Public - North East - Large Town - High Minority
	2	Low Poverty	10	Public - North East - Large Town - Low Minority
	2	Low Poverty	11	Public - North East - Small Town - Low Minority
	2	Low Poverty	12	Public - North East - Small Town - High Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	2	Low Poverty	13	Public - North East - Rural outside MSA - High Minority
	2	Low Poverty	14	Public - North East - Rural outside MSA - Low Minority
	2	Low Poverty	15	Public - North East - Rural inside MSA - Low Minority
	2	Low Poverty	16	Public - North East - Rural inside MSA - High Minority
	2	Low Poverty	17	Public - South East - Rural inside MSA - High Minority
	2	Low Poverty	18	Public - South East - Rural inside MSA - Low Minority
	2	Low Poverty	19	Public - South East - Rural outside MSA - Low Minority
	2	Low Poverty	20	Public - South East - Rural outside MSA - High Minority
	2	Low Poverty	21	Public - South East - Small Town - High Minority
	2	Low Poverty	22	Public - South East - Small Town - Low Minority
	2	Low Poverty	23	Public - South East - Large Town - Low Minority
	2	Low Poverty	24	Public - South East - Large Town - High Minority
	2	Low Poverty	25	Public - South East - Suburb of MCC - High Minority
	2	Low Poverty	26	Public - South East - Suburb of MCC - Low Minority
	2	Low Poverty	27	Public - South East - Suburb of LCC - Low Minority
	2	Low Poverty	28	Public - South East - Suburb of LCC - High Minority
	2	Low Poverty	29	Public - South East - Mid-size Central City - High Minority
	2	Low Poverty	30	Public - South East - Mid-size Central City - Low Minority
	2	Low Poverty	31	Public - South East - Large Central City - Low Minority
	2	Low Poverty	32	Public - South East - Large Central City - High Minority
	2	Low Poverty	33	Public - Midwest - Large Central City - High Minority
	2	Low Poverty	34	Public - Midwest - Large Central City - Low Minority
	2	Low Poverty	35	Public - Midwest - Mid-size Central City - Low Minority
	2	Low Poverty	36	Public - Midwest - Mid-size Central City - High Minority
	2	Low Poverty	37	Public - Midwest - Suburb of LCC - High Minority
	2	Low Poverty	38	Public - Midwest - Suburb of LCC - Low Minority
	2	Low Poverty	39	Public - Midwest - Suburb of MCC - Low Minority
	2	Low Poverty	40	Public - Midwest - Suburb of MCC - High Minority
	2	Low Poverty	41	Public - Midwest - Large Town - High Minority
	2	Low Poverty	42	Public - Midwest - Large Town - Low Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	2	Low Poverty	43	Public - Midwest - Small Town - Low Minority
	2	Low Poverty	44	Public - Midwest - Small Town - High Minority
	2	Low Poverty	45	Public - Midwest - Rural outside MSA - High Minority
	2	Low Poverty	46	Public - Midwest - Rural outside MSA - Low Minority
	2	Low Poverty	47	Public - Midwest - Rural inside MSA - Low Minority
	2	Low Poverty	48	Public - Midwest - Rural inside MSA - High Minority
	2	Low Poverty	49	Public - West - Rural inside MSA - High Minority
	2	Low Poverty	50	Public - West - Rural inside MSA - Low Minority
	2	Low Poverty	51	Public - West - Rural outside MSA - Low Minority
	2	Low Poverty	52	Public - West - Rural outside MSA - High Minority
	2	Low Poverty	53	Public - West - Small Town - High Minority
	2	Low Poverty	54	Public - West - Small Town - Low Minority
	2	Low Poverty	55	Public - West - Large Town - Low Minority
	2	Low Poverty	56	Public - West - Large Town - High Minority
	2	Low Poverty	57	Public - West - Suburb of MCC - High Minority
	2	Low Poverty	58	Public - West - Suburb of MCC - Low Minority
	2	Low Poverty	59	Public - West - Suburb of LCC - Low Minority
	2	Low Poverty	60	Public - West - Suburb of LCC - High Minority
	2	Low Poverty	61	Public - West - Mid-size Central City - High Minority
	2	Low Poverty	62	Public - West - Mid-size Central City - Low Minority
	2	Low Poverty	63	Public - West - Large Central City - Low Minority
	2	Low Poverty	64	Public - West - Large Central City - High Minority
	2	Low Poverty	65	Private - West - Large Central City - High Minority
	2	Low Poverty	66	Private - West - Large Central City - Low Minority
	2	Low Poverty	67	Private - West - Mid-size Central City - Low Minority
	2	Low Poverty	68	Private - West - Mid-size Central City - High Minority
	2	Low Poverty	69	Private - West - Suburb of LCC - High Minority
	2	Low Poverty	70	Private - West - Suburb of LCC - Low Minority
	2	Low Poverty	71	Private - West - Suburb of MCC - Low Minority
	2	Low Poverty	72	Private - West - Suburb of MCC - High Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
UNITED STATES	2	Low Poverty	73	Private - West - Large Town - High Minority
	2	Low Poverty	74	Private - West - Large Town - Low Minority
	2	Low Poverty	75	Private - West - Small Town - Low Minority
	2	Low Poverty	76	Private - West - Small Town - High Minority
	2	Low Poverty	77	Private - West - Rural outside MSA - High Minority
	2	Low Poverty	78	Private - West - Rural outside MSA - Low Minority
	2	Low Poverty	79	Private - West - Rural inside MSA - Low Minority
	2	Low Poverty	80	Private - West - Rural inside MSA - High Minority
	2	Low Poverty	81	Private - Midwest - Rural inside MSA - High Minority
	2	Low Poverty	82	Private - Midwest - Rural inside MSA - Low Minority
	2	Low Poverty	83	Private - Midwest - Rural outside MSA - Low Minority
	2	Low Poverty	84	Private - Midwest - Rural outside MSA - High Minority
	2	Low Poverty	85	Private - Midwest - Small Town - High Minority
	2	Low Poverty	86	Private - Midwest - Small Town - Low Minority
	2	Low Poverty	87	Private - Midwest - Large Town - Low Minority
	2	Low Poverty	88	Private - Midwest - Large Town - High Minority
	2	Low Poverty	89	Private - Midwest - Suburb of MCC - High Minority
	2	Low Poverty	90	Private - Midwest - Suburb of MCC - Low Minority
	2	Low Poverty	91	Private - Midwest - Suburb of LCC - Low Minority
	2	Low Poverty	92	Private - Midwest - Suburb of LCC - High Minority
	2	Low Poverty	93	Private - Midwest - Mid-size Central City - High Minority
	2	Low Poverty	94	Private - Midwest - Mid-size Central City - Low Minority
	2	Low Poverty	95	Private - Midwest - Large Central City - Low Minority
	2	Low Poverty	96	Private - Midwest - Large Central City - High Minority
	2	Low Poverty	97	Private - South East - Large Central City - High Minority
	2	Low Poverty	98	Private - South East - Large Central City - Low Minority
	2	Low Poverty	99	Private - South East - Mid-size Central City - Low Minority
	2	Low Poverty	100	Private - South East - Mid-size Central City - High Minority
	2	Low Poverty	101	Private - South East - Suburb of LCC - High Minority
	2	Low Poverty	102	Private - South East - Suburb of LCC - Low Minority

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label	
UNITED STATES	2	Low Poverty	103	Private - South East - Suburb of MCC - Low Minority	
	2	Low Poverty	104	Private - South East - Suburb of MCC - High Minority	
	2	Low Poverty	105	Private - South East - Large Town - High Minority	
	2	Low Poverty	106	Private - South East - Large Town - Low Minority	
	2	Low Poverty	107	Private - South East - Small Town - Low Minority	
	2	Low Poverty	108	Private - South East - Small Town - High Minority	
	2	Low Poverty	109	Private - South East - Rural outside MSA - High Minority	
	2	Low Poverty	110	Private - South East - Rural outside MSA - Low Minority	
	2	Low Poverty	111	Private - South East - Rural inside MSA - Low Minority	
	2	Low Poverty	112	Private - South East - Rural inside MSA - High Minority	
	2	Low Poverty	113	Private - North East - Rural inside MSA - High Minority	
	2	Low Poverty	114	Private - North East - Rural inside MSA - Low Minority	
	2	Low Poverty	115	Private - North East - Rural outside MSA - Low Minority	
	2	Low Poverty	116	Private - North East - Rural outside MSA - High Minority	
	2	Low Poverty	117	Private - North East - Small Town - High Minority	
	2	Low Poverty	118	Private - North East - Small Town - Low Minority	
	2	Low Poverty	119	Private - North East - Large Town - Low Minority	
	2	Low Poverty	120	Private - North East - Large Town - High Minority	
	2	Low Poverty	121	Private - North East - Suburb of MCC - High Minority	
	2	Low Poverty	122	Private - North East - Suburb of MCC - Low Minority	
	2	Low Poverty	123	Private - North East - Suburb of LCC - Low Minority	
	2	Low Poverty	124	Private - North East - Suburb of LCC - High Minority	
	2	Low Poverty	125	Private - North East - Mid-size Central City - High Minority	
	2	Low Poverty	126	Private - North East - Mid-size Central City - Low Minority	
	2	Low Poverty	127	Private - North East - Large Central City - Low Minority	
	2	Low Poverty	128	Private - North East - Large Central City - High Minority	
	YEMEN	1	Urban	1	Public - Girls
		1	Urban	2	Public - Boys
1		Urban	3	Public - Mixed	
1		Urban	4	Private - Girls	
1		Urban	5	Private - Boys	
1		Urban	6	Private - Mixed	
1		Urban	7	National - Mixed	

Country	IDSTRATE	Explicit Stratum Label	IDSTRATI	Implicit Stratum Label
YEMEN	2	Rural	1	Public - Girls
	2	Rural	2	Public - Boys
	2	Rural	3	Public - Mixed
	2	Rural	4	Private - Girls
	2	Rural	5	Private - Boys
	2	Rural	6	Private - Mixed

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ISBN 1-889938-36-X



International Association for the Evaluation of Educational Achievement
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