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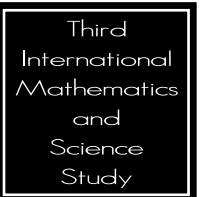
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Documentation of
National Adaptations of
International Background
Questionnaire Items
Population 3

User Guide for the TIMSS
International Database

Final Year of Secondary School – 1995 Assessment



Supplement 2

Documentation of National Adaptations of International Background Questionnaire Items Population 3

Overview

This supplement contains documentation of national adaptations of the international versions of the student and school background questionnaire items. See Chapter 2 of the accompanying User Guide for a description of the TIMSS background questionnaires. The international versions of the questionnaires are provided in Supplement 1 of the User Guide.

This documentation provides users with a guide to evaluate the availability of internationally-comparable data for use in secondary analyses involving the TIMSS contextual variables. The documentation of national adaptations is presented in two sections corresponding to each of the Population 3 questionnaire types:

Section 1: Student Background Questionnaire

Section 2: School Background Questionnaire

Each section contains specific national documentation about individual background items in order of questionnaire item location. Documentation is included for all variables for which there are some countries: (i) included in the database but the version of the question administered is country-specific or adapted from the international version or (ii) not included in the database. For each item, the following information is provided:

- Questionnaire Item Location Reference (as presented in Table 7.4 of the User Guide)
- Question (an abbreviated version of the main question with any relevant subitems and general notes)
- Variable name(s) for each questionnaire item or subitem
- Table of National Adaptation Documentation (listed by country and by subitem)

The version of the question shown in the documentation in this supplement is a shortened version included to communicate the basic information about what was asked in each item and to aid in the interpretation of the specific documentation comments. For the exact form of each question, see Supplement 1.

The Table of National Adaptation Documentation for each item lists any countries for which internationally-comparable data for the indicated item or subitems are unavailable or for which data are included with documentation regarding country-specific questions or questions with national adaptations of the international versions. It should be noted that this documentation does not include any cases where simple recodes of the national data were made to produce internationally-comparable data in the international variables (e.g. option reversals). In the Tables of National Adaptation Documentation, countries are given one of two different data codes with the following definitions:

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

This code is used for items where the international version asks for country-specific questions or nationally-adapted options and where modified national versions included for some countries are considered appropriate for comparison of univariate statistics. For these items, some brief documentation is included to describe the national versions of the questions, to assist the user in data interpretation.

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

This code is used to refer to all items that were (i) not administered, (ii) not applicable, or (iii) deleted for a variety of reasons (e.g. not internationally comparable, removed per NRC request, or removed due to other data problems). A general comment is included for the majority of these cases: 'Question Not Administered or Data Not Internationally Comparable'. Other comments may be included for some variables where some description is required to explain the absence of data.

The documentation provided is as complete as possible given the information provided by the National Research Coordinators (NRCs) and the resources available for reviewing the individual national adaptations. The review of national adaptations was instituted for the majority of the background questionnaire items and, in particular, for any of the items that were used for reporting the contextual data in the international reports.

General Documentation Issues for Student Questionnaire Items

Czech Republic: Two versions of the student questionnaire were administered: G version administered to students in Gymnasia (academic schools) and V version administered to students in technical and vocational schools. Students administered the two different types of questionnaires may be identified by IDSTRAT second digit: 1 = V version; 4 = G version. For most questions, the two versions of the questionnaire are the same. Any differences between the two versions are documented in the Summary of National Adaptations.

Germany: Four versions of the student questionnaire were administered: G version administered to students in gymnasia (GS) or comprehensive schools (IGS); FG version administered to students in higher technical professional schools (Fachgymnasia - FG); BFS/FOS version administered to students in full-time vocational (BFS) or applied science (FOS) schools; and BS version administered to students in apprenticeship programs (BS). Questionnaire numbers SQ3-1 through SQ3-11/1-2 were the same for all versions of the questionnaires; question SQ3-12/1-4 was not administered in the BS version, and questions SQ3-13A1-D4 and up were not administered in either vocational version of the questionnaire (BFS/FOS or BS). These differences resulting in high percentages of students coded as 'not administered' are reflected in the Summary of National Adaptations.

General Documentation Issues for School Questionnaire Items

Czech Republic: Two versions of the school questionnaire were administered: G version administered to gymnasia (academic schools) and V version administered to technical and vocational schools. For most questions, the two versions of the questionnaire are the same. For some school background variables the questions are different for the two versions and combined data from the G and V versions are included. Separate data for the G and V schools may be obtained by filtering by the IDSTRAT variable. The second digit of IDSTRAT identifies the G and V school types: 1 = V version; 4 = G version. These types of items with different data for G and V schools are documented in the Summary of National Adaptations.

Germany: Two versions of the student questionnaire were administered: G version administered to gymnasia (GS), and comprehensive schools (IGS); V version administered to higher technical professional schools (FG), applied science schools (FOS), full-time vocational schools (BFS), or apprenticeship (BS) schools. Some questions were administered only in the G version of the questionnaire, and the vocational schools are coded as 'not administered' for these items. These items are indicated in the Summary of National Adaptations.

Netherlands: The school questionnaire was not administered. The school background data for the Netherlands will reflect 100% 'not administered' for all background questionnaire items.

Section 1

Student Background Questionnaire

SQ3-1**Question:**

On what day were you born?

- 1/1: day
- 1/2: month
- 1/3: year

Variable name(s): CSGBBIRD,CSGBBIRM,CSGBBIRY

Item ID	Country	Code	Comment
SQ3-1/1	Canada	X	Question not administered or data not internationally comparable.
SQ3-1/1	Germany	X	Question not administered or data not internationally comparable.
SQ3-1/1	Norway	X	Question not administered or data not internationally comparable.

SQ3-2**Question:**

Are you a female or a male?

Variable name(s): CSBGSEX

Item ID	Country	Code	Comment
SQ3-2	All		Data considered internationally comparable for reporting.

SQ3-3**Question:**

A: Were you born in <country>?

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

[Format: Open-ended; numerical integer, valid values less than or equal to the age of student (CSDAGE).
Coded as 'Not Applicable' for 3B if responded Yes to filter (3A = 1).]

Variable name(s): CSGBBRN1,CSGBBRN2

Item ID	Country	Code	Comment
SQ3-3B	Canada	D	Used categorical format: Under 1, 1,2,...,18,19 or more.
SQ3-3A	Cyprus	X	Question not administered or data not internationally comparable.
SQ3-3A,B	France	X	Question not administered or data not internationally comparable.

SQ3-4**Question:**

A: Was your mother born in <country>?

B: Was your father born in <country>?

Variable name(s): CSGBBRNM,CSGBBRNF

Item ID	Country	Code	Comment
SQ3-4A,B	France	X	Question not administered or data not internationally comparable.

SQ3-5 **Question:**
How often do you speak <language of test> at home?

Variable name(s): CSBGLANG

Item ID	Country	Code	Comment
SQ3-5	All		Data considered internationally comparable for reporting.

SQ3-6 **Question:**
Do each of these people live at home with you most or all of the time?
A: mother
B: father
C: one or more brothers
D: one or more sisters
E: stepmother
F: stepfather
G: one or more grandparents
H: another relative or relatives
I: another person or persons (not relatives)

Variable name(s): CSBGADU1- CSBGADU9

Item ID	Country	Code	Comment
SQ3-6A-I	France	X	Question not administered or data not internationally comparable.

SQ3-7 **Question:**
Altogether, how many people live in your home?

(Format: Open-ended; numerical integer.)

Variable name(s): CSBGHOME

Item ID	Country	Code	Comment
SQ3-7	Canada	D	Used categorical format: 2,3,...,9,10 or more.

SQ3-8 **Question:**
About how many books are there in your home?

Variable name(s): CSBGBOOK

Item ID	Country	Code	Comment
SQ3-8	All		Data considered internationally comparable for reporting.

SQ3-9**Question:**

Do you have any of these items at your home?

- A: calculator
- B: computer
- C: study desk/table for your use
- D: dictionary
- E: <country specific>
- :
- P: <country specific>

(Parts E - P include nationally-defined possessions documented for each country.)

Variable name(s): CSBGPS01-CSBGPS16

Item ID	Country	Code	Comment
SQ3-9E	Australia	D	Bookshelves and books
SQ3-9F	Australia	D	Own wardrobe
SQ3-9G	Australia	D	Dishwashing machine
SQ3-9H	Australia	D	CD or video player in own room
SQ3-9I-P	Australia	X	Question not administered.
SQ3-9E	Austria	D	Television
SQ3-9F	Austria	D	Video recorder
SQ3-9G	Austria	D	Video camera
SQ3-9H	Austria	D	CD player
SQ3-9I	Austria	D	CDs of classical music
SQ3-9J	Austria	D	Computer or video game
SQ3-9K	Austria	D	More than 1 telephone line
SQ3-9L	Austria	D	Microscope
SQ3-9M	Austria	D	Telescope
SQ3-9N	Austria	D	FAX or modem
SQ3-9O	Austria	D	Lawn mower
SQ3-9P	Austria	D	Cable or satellite dish
SQ3-9E	Canada	D	Own bookshelves and books
SQ3-9F	Canada	D	CD or video player in own room
SQ3-9G	Canada	D	Own television
SQ3-9H	Canada	D	Own telephone
SQ3-9I	Canada	D	Computer with modem
SQ3-9J	Canada	D	Encyclopedia
SQ3-9K-P	Canada	X	Question not administered.
SQ2-9E	Cyprus	D	Bicycle
SQ2-9F	Cyprus	D	Cassette
SQ2-9G	Cyprus	D	Video recorder
SQ2-9H	Cyprus	D	Dishwasher
SQ2-9I	Cyprus	D	Stereo

SQ2-9J	Cyprus	D	Two cars or more
SQ2-9K	Cyprus	D	Washing machine
SQ2-9L	Cyprus	D	Air conditioner
SQ2-9M	Cyprus	D	Central heating
SQ2-9N	Cyprus	D	4 or more bedrooms
SQ2-9O	Cyprus	D	Recreational boat
SQ3-9P	Cyprus	D	Satellite antenna
SQ3-9E	Czech Republic	D	Car
SQ3-9F	Czech Republic	D	2 cars or more
SQ3-9G	Czech Republic	D	Washing machine
SQ3-9H	Czech Republic	D	Dishwasher
SQ3-9I	Czech Republic	D	Microwave oven
SQ3-9J	Czech Republic	D	Stereo
SQ3-9K	Czech Republic	D	Color television
SQ3-9L	Czech Republic	D	Video recorder
SQ3-9M	Czech Republic	D	CD player
SQ3-9N	Czech Republic	D	Video camera
SQ3-9O	Czech Republic	D	Family house
SQ3-9P	Czech Republic	D	Weekend house
SQ3-9E	Denmark	D	House with garden
SQ3-9F	Denmark	D	Summer house
SQ3-9G	Denmark	D	CD player
SQ3-9H	Denmark	D	Video recorder
SQ3-9I	Denmark	D	Dishwasher
SQ3-9J	Denmark	D	Television
SQ3-9K	Denmark	D	Microwave oven
SQ3-9L	Denmark	D	Video camera
SQ3-9M	Denmark	D	Car
SQ3-9N	Denmark	D	Telephone
SQ3-9O	Denmark	D	Swimming pool
SQ3-9P	Denmark	X	Question not administered.
SQ3-9E-P	France	X	Question not administered.
SQ3-9E	Germany	D	Television
SQ3-9F	Germany	D	Video recorder
SQ3-9G	Germany	D	Video camera
SQ3-9H	Germany	D	CD player
SQ3-9I	Germany	D	CDs or LPs of classical music
SQ3-9J	Germany	D	Computer or video games
SQ3-9K	Germany	D	2 or more telephones
SQ3-9L	Germany	D	Microscope
SQ3-9M	Germany	D	Telescope

SQ3-9N	Germany	D	Weekly newspaper
SQ3-9O	Germany	D	Lawn mower
SQ3-9P	Germany	D	Own room
SQ3-9E	Greece	D	Bicycle
SQ3-9F	Greece	D	Cassette recorder
SQ3-9G	Greece	D	Video recorder
SQ3-9H	Greece	D	Dishwasher
SQ3-9I	Greece	D	Stereo
SQ3-9J	Greece	D	Car
SQ3-9K	Greece	D	Washing machine
SQ3-9L	Greece	D	Air conditioner
SQ3-9M	Greece	D	Central heating
SQ3-9N	Greece	D	4 or more bedrooms
SQ3-9O	Greece	D	Recreational boat
SQ3-9P	Greece	D	Satellite antenna
SQ3-9E	Hungary	D	Car
SQ3-9F	Hungary	D	Telephone
SQ3-9G	Hungary	D	Video recorder
SQ3-9H	Hungary	D	Own room
SQ3-9I	Hungary	D	Own computer
SQ3-9J	Hungary	D	Own corner to learn in
SQ3-9K	Hungary	D	Own books
SQ3-9L	Hungary	D	Own television
SQ3-9M-P	Hungary	X	Question not administered.
SQ3-9E	Iceland	D	Plant field guide
SQ3-9F	Iceland	D	Bird field guide
SQ3-9G	Iceland	D	Math computer program
SQ3-9H	Iceland	D	Science computer program
SQ3-9I	Iceland	D	Math game
SQ3-9J	Iceland	D	Measuring tape
SQ3-9K	Iceland	D	TV satellite dish
SQ3-9L	Iceland	D	Cable descrambler
SQ3-9M	Iceland	D	Dishwasher
SQ3-9N	Iceland	D	Microwave oven
SQ3-9O	Iceland	D	Clothes dryer
SQ3-9P	Iceland	D	Video camera
SQ3-9E	Israel	D	Encyclopedia
SQ3-9F	Israel	D	Video recorder
SQ3-9G	Israel	D	Dryer
SQ3-9H	Israel	D	Dishwasher
SQ3-9I	Israel	D	2 televisions or more

SQ3-9J	Israel	D	Microwave oven
SQ3-9K	Israel	D	Cordless phone
SQ3-9L	Israel	D	CD player
SQ3-9M	Israel	D	Air conditioner
SQ3-9N	Israel	D	Vacuum cleaner
SQ3-9O	Israel	D	Camera
SQ3-9P	Israel	D	Video camera
SQ3-9E	Italy	D	Encyclopedia
SQ3-9F	Italy	D	Recorder
SQ3-9G	Italy	D	Dishwasher
SQ3-9H	Italy	D	Stereo
SQ3-9I	Italy	D	Microwave oven
SQ3-9J	Italy	D	Video recorder
SQ3-9K	Italy	D	Telecamera
SQ3-9L	Italy	D	Cellphone
SQ3-9M	Italy	D	Air conditioning
SQ3-9N	Italy	D	Burglar alarm
SQ3-9O,P	Italy	X	Question not administered.
SQ3-9E	Latvia	D	Encyclopedia
SQ3-9F	Latvia	D	Atlas
SQ3-9G	Latvia	D	Daily newspaper
SQ3-9H	Latvia	D	Monthly journal
SQ3-9I	Latvia	D	Video recorder
SQ3-9J	Latvia	D	Audio recorder
SQ3-9K	Latvia	D	Record player
SQ3-9L	Latvia	D	Electronic gameboard
SQ3-9M	Latvia	D	Walker
SQ3-9N	Latvia	D	Bicycle
SQ3-9O	Latvia	D	Coffee maker
SQ3-9P	Latvia	D	Own room
SQ3-9E	Lithuania	D	Encyclopedia
SQ3-9F	Lithuania	D	Car
SQ3-9G	Lithuania	D	Garage
SQ3-9H	Lithuania	D	2 TV sets
SQ3-9I	Lithuania	D	Video player
SQ3-9J	Lithuania	D	Audio player
SQ3-9K	Lithuania	D	Piano
SQ3-9L	Lithuania	D	Refrigerator
SQ3-9M	Lithuania	D	Phone
SQ3-9N	Lithuania	D	Garden
SQ3-9O	Lithuania	D	Own house

SQ3-9P	Lithuania	D	Pets
SQ3-9E	Netherlands	D	CD player in own room
SQ3-9F	Netherlands	D	Video recorder in own room
SQ3-9G	Netherlands	D	Encyclopedia
SQ3-9H	Netherlands	D	Daily newspaper
SQ3-9I	Netherlands	D	Weekly magazines
SQ3-9J	Netherlands	D	Atlas or globe
SQ3-9K	Netherlands	D	Microscope
SQ3-9L	Netherlands	D	Binoculars/telescope
SQ3-9M	Netherlands	D	Clothes dryer
SQ3-9N	Netherlands	D	Dish washer
SQ3-9O	Netherlands	D	Microwave
SQ3-9P	Netherlands	X	Question not administered.
SQ3-9E	New Zealand	D	Television
SQ3-9F	New Zealand	D	Musical instruments
SQ3-9G	New Zealand	D	CD player
SQ3-9H	New Zealand	D	Video camera
SQ3-9I	New Zealand	D	Video games
SQ3-9J	New Zealand	D	Microwave
SQ3-9K	New Zealand	D	Clothes dryer
SQ3-9L	New Zealand	D	Dishwasher
SQ3-9M	New Zealand	D	2 bathrooms
SQ3-9N	New Zealand	D	Second car/motor bike
SQ3-9O	New Zealand	D	Encyclopedia
SQ3-9P	New Zealand	D	Mobile or cellular phone
SQ3-9E	Norway	D	Encyclopedia
SQ3-9F	Norway	D	Atlas
SQ3-9G	Norway	D	Globe
SQ3-9H	Norway	D	Binoculars
SQ3-9I	Norway	D	Aquarium
SQ3-9J	Norway	D	Piano
SQ3-9K	Norway	D	Cabin or boat
SQ3-9L	Norway	D	Video recorder
SQ3-9M	Norway	D	Video camera
SQ3-9N	Norway	D	More than one TV
SQ3-9O	Norway	D	More than one bathroom
SQ3-9P	Norway	D	More than one car
SQ3-9E	Russia	D	Video recorder
SQ3-9F	Russia	D	2 color TV sets
SQ3-9G	Russia	D	Car
SQ3-9H	Russia	D	2 Cars

SQ3-9I	Russia	D	Own room
SQ3-9J	Russia	D	2-3 room apartment
SQ3-9K	Russia	D	4 or more room apartment
SQ3-9L	Russia	D	Large private house
SQ3-9M	Russia	D	Summer house with garden
SQ3-9N	Russia	D	Large summer house with garden
SQ3-9O,P	Russia	X	Question not administered.
SQ3-9E	Slovenia	D	Own room or room for children
SQ3-9F	Slovenia	D	Daily newspaper
SQ3-9G	Slovenia	D	Garden
SQ3-9H	Slovenia	D	Video recorder
SQ3-9I	Slovenia	D	Pet
SQ3-9J	Slovenia	D	Holiday house
SQ3-9K	Slovenia	D	Atlas of Slovenia or Atlas of the world
SQ3-9L	Slovenia	D	Own bicycle
SQ3-9M	Slovenia	D	Cable or satellite TV
SQ3-9N	Slovenia	D	Camera or video camera
SQ3-9O	Slovenia	D	Mobile phone
SQ3-9P	Slovenia	D	Dictionary of Slovenian language
SQ3-9E	South Africa	D	Electricity
SQ3-9F	South Africa	D	Running tap water
SQ3-9G	South Africa	D	Warm water
SQ3-9H	South Africa	D	Radio
SQ3-9I	South Africa	D	Television
SQ3-9J	South Africa	D	Video recorder
SQ3-9K	South Africa	D	Tape recorder
SQ3-9L	South Africa	D	CD player
SQ3-9M	South Africa	D	Own bedroom
SQ3-9N	South Africa	D	Own bicycle
SQ3-9O	South Africa	D	Water-flushed toilets
SQ3-9P	South Africa	D	Motor transport available
SQ3-9E	Sweden	D	Row house or house with garden
SQ3-9F	Sweden	D	Sauna
SQ3-9G	Sweden	D	Dishwasher
SQ3-9H	Sweden	D	Microwave oven
SQ3-9I	Sweden	D	Video
SQ3-9J	Sweden	D	CD player
SQ3-9K	Sweden	D	Video camera
SQ3-9L	Sweden	D	Cordless telephone
SQ3-9M	Sweden	D	Piano
SQ3-9N	Sweden	D	2 or more cars

SQ3-9O	Sweden	D	Access to a summer house
SQ3-9P	Sweden	D	Sail or motor boat
SQ3-9E	Switzerland	D	Television
SQ3-9F	Switzerland	D	Video recorder
SQ3-9G	Switzerland	D	Video camera
SQ3-9H	Switzerland	D	CD player
SQ3-9I	Switzerland	D	CDs or albums of classical music
SQ3-9J	Switzerland	D	Computer or video games
SQ3-9K	Switzerland	D	2 or more telephone lines
SQ3-9L	Switzerland	D	Microscope
SQ3-9M	Switzerland	D	Telescope
SQ3-9N	Switzerland	D	Weekly journal
SQ3-9O	Switzerland	D	Lawn mower
SQ3-9P	Switzerland	D	Own room
SQ3-9E	United States	D	Atlas
SQ3-9F	United States	D	Encyclopedia set
SQ3-9G	United States	D	Portable CD player
SQ3-9H	United States	D	Recreational vehicle
SQ3-9I	United States	D	Stereo with CD player
SQ3-9J	United States	D	Answering machine
SQ3-9K	United States	D	3 or more cars
SQ3-9L	United States	D	Video camera
SQ3-9M	United States	D	Video game system
SQ3-9N	United States	D	Video recorder
SQ3-9O	United States	D	Walkman
SQ3-9P	United States	D	Laptop or notebook computer

SQ3-10

Question:

Where do you live while attending school?

Variable name(s): CSBGLIVE

Item ID	Country	Code	Comment
SQ3-10	France	X	Question not administered or data not internationally comparable.

SQ3-11**Question:**

11/1: How far in school did your mother go?
 11/2: How far in school did your father go?

International response options:

- 1 = finished primary school
- 2 = some secondary school
- 3 = finished secondary school
- 4 = some vocational/technical education after secondary school
- 5 = some university
- 6 = finished university
- 7 = I do not know.

(Countries with omitted or modified options are indicated below.)

Variable name(s): CSBGEDUM,CSBGEDUF

Item ID	Country	Code	Comment
SQ3-11/1-2	Austria	D	Modified: recoded to international options. Option 1 = Omitted; Option 2 = Compulsory (Pflichtschulabschluss; 9 grades); Option 3 = Combines 4 secondary tracks: apprenticeship (Berufsschul-/Lehrabschluss), medium vocational (Handelsschule, Fachschule), higher academic (Gymnasium, Realgymnasium), higher vocational (HAK, HTL, etc.); Options 4,5 = Omitted; Option 6 = University (master's degree).
SQ3-11/1-2	Canada	D	Options 1-4 = Comparable to international version; Option 5 = Some University or College; Option 6 = Finished University or College.
SQ3-11/1-2	Cyprus	D	Modified: recoded to international options. Options 1,2,3 = Comparable to international version; Option 4 = Finished College or other institution (most are 3-year programs not equivalent to university degree); Option 5 (some university) = Omitted; Option 6 = Combines two national options for 'Finish University degree' and 'post-graduate studies'.
SQ3-11/1-2	Czech Republic	D	Options 1,4,5,6 = Comparable to international version; Option 2 = Finished secondary or vocational training without maturita; Option 3 = Finished secondary or vocational training with maturita.
SQ3-11/1-2	Denmark	D	Modified: recoded to international options. Option 1 = Omitted; Option 2 = Basic school (Folkeskolen, Realeksamen;9 or 10 grades); Option 3 = Combines two upper-secondary track options: academic or general/vocational (gymnasium, hf, htx, hhx) and vocational training (erhvervsfaglig uddannelse); Option 4 = Omitted; Option 5 = Medium-cycle higher education (mellemlang uddannelse); Option 6 = Long university program.
SQ3-11/1-2	France	D	Modified: recoded to international options. Option 1 = No school or primary; Option 2 = Lower secondary (college) or certificate of vocational aptitude (CAP); Option 3 = Combines two upper-secondary options: diploma of vocational studies (BEP-11 grades) and baccalaureate (BAC general, technical or professional - 12 or 13 grades); Option 4 = Omitted; Option 5 = 2-3 years study after BAC (BTS, DUT, License); Option 6 = 4 years study after BAC (master's).

SQ3-11/1-2	Germany	D	Modified: recoded to international options. Option 1 = No lower secondary (grade 8); Option 2 = Combines lower or middle-secondary levels (Hauptschulabschluss - 9 or 10 grades) or medium secondary (Fachoberschulreife, Realschulabschluss or Polytechnische Oberschule - 10 grade); Option 3 = Combines 2 upper-secondary levels: general/academic or apprenticeship/vocational training (Lehrabschluss, Berufsfachschule, Berufsaufbauschule); Option 4 = Postsecondary vocational schools (Fachschulabschluss); Option 5 = Omitted; Option 6 = Combines university, technical university, 3-4 year teacher college, or specialized higher vocational degree (Fachhochschulabschluss); Option 7 = Omitted.
SQ3-11/1-2	Greece	D	Options 1,2,3,5,6 = Comparable to international version; Option 4 = graduated from technical/vocational institute (3 years).
SQ3-11/1-2	Hungary	D	Modified: recoded to international options. Option 1 = Some general school; Option 2 = Finished general school (grade 8); Option 3 = Combines two upper-secondary tracks: apprenticeship (3 year trade school) or final exam in secondary school (4 year academic/vocational); Options 4,5 = Omitted; Option 6 = University or College diploma; Option 7 = Omitted.
SQ3-11/1-2	Italy	D	Modified: recoded to international options. Option 1 = Finish primary; Option 2 = Finish middle school; Option 3 = Combines two secondary tracks: secondary with maturita (classical/technical) or vocational training; Option 4 = Omitted; Option 5 = Some university; Option 6 = Finish university.
SQ3-11/1-2	New Zealand	D	Options 1,2,3,4,5 = Comparable to international version; Option 6 = University or teachers college.
SQ3-11/1-2	Norway	D	Modified: recoded to international options. Option 1 = Folkeskole - 7 grades (compulsory before 1970); Option 2 = Lower secondary, 9 grades (compulsory after 1970); Option 3 = Upper secondary (general academic or vocational); Option 4 = Post secondary vocational training; Option 5 = 1-3 years at university or technical college; Option 6 = More than 3 years at university or technical college.
SQ3-11/1-2	Sweden	D	Modified: recoded to international options. Option 1 = Omitted; Option 2 = Combines Compulsory School (grades 1-9) and starting upper secondary; Option 3 = Combines two upper-secondary tracks: academic or vocational; Option 4 = Omitted; Option 5 = Less than 3 years university studies; Option 6 = 3 years university studies or more.
SQ3-11/1-2	Switzerland	D	Modified: recoded to international options. Option 1 = Omitted; Option 2 = Compulsory (9 grades); Option 3 = Combines upper-secondary options: vocational (Lehre/Berufsschule), academic (gymnasium, kantonsschule, maturität) and teacher training (Lehrer seminar); Option 4 = Vocational/professional school (Fach- and Berufsschule); Option 5 = Omitted; Option 6 = University or technical university (ETH).
SQ3-11/1-2	United States	D	Options 1,2,3,4 = Comparable to international version; Option 5 = Some Community College, College, or University Courses; Option 6 = Completed Bachelor's Degree at College or University.

SQ3-12**Question:**

What do each of the following people think you ought to do immediately after you finish secondary school?

- 12/1: father
- 12/2: mother
- 12/3: teachers
- 12/4: friends

International response options:

- 1 = go to university full time
- 2 = get a full time job
- 3 = <enter trade school or apprenticeship>
- 4 = enter military service
- 5 = other

(Countries with omitted or modified options are indicated below.)

Variable name(s): CSBGAFTF,CSBGAF TM,CSBGAF TT,CSBGAF TR

Item ID	Country	Code	Comment
SQ3-12/1-4	Czech Republic	D	Option 3 = Continue with some technical, vocational or other extension course.
SQ3-12/1-4	France	X	Question not administered or data not internationally comparable.
SQ3-12/1-4	Germany	D	Not administered in Vocational (BS) version of questionnaire.
SQ3-12/1-4	Hungary	D	Option 4 ('enter military service') not included.
SQ3-12/1-4	Iceland	D	Option 4 ('enter military service') not included.
SQ3-12/1-4	Italy	D	Option 3 ('trade school or apprenticeship') not included.
SQ3-12/1-4	New Zealand	D	Option 1 = university or teachers college; Option 5 = polytechnic or other.
SQ3-12/1-4	Sweden	D	Option 3 = Adult education, college, or local government administered adult education.
SQ3-12/1-4	Switzerland	D	Option 4 ('enter military service') not included.

SQ3-13**Question:**

Do each of the following people think it is important for you to ...

- A: do well in science at school?
- B: do well in mathematics at school?
- C: do well in <language of test> at school?
- D: be good at sports?

Questions A-D answered with respect to:

- Father (13A1 - 13D1)
- Mother (13A2 - 13D2)
- Friends (13A3 - 13D3)
- Yourself (13A4 - 13D4)

Variable name(s): CSBSFIP1,CSBSFIP2,CSBSFIP3,CSBSFIP4,CSBSMIP1,CSBSMIP2,CSBSMIP3,CSBSMIP4,CSBSRIP1,CSBSRIP2,CSBSRIP3,CSBSRIP4,CSBS SIP1,CSBS SIP2,CSBS SIP3,CSBS SIP4

Item ID	Country	Code	Comment
SQ3-13A1-D4	Canada	X	Questions not administered or data not internationally comparable.
SQ3-13A1-D4	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-13A4-D4	Hungary	X	Questions regarding 'yourself' not administered.

SQ3-14A**Question:**

14A: After secondary school do you intend to continue your education?
 [Filter for follow-up questions, 14A1-A5, 14B]

If Yes, what form of further education do you intend to take (Yes/No)?
 14A1: <vocational or technical courses at a trade or business school>
 14A2: <academic courses at a junior or community college>
 14A3: <vocational or technical subjects at a junior or community college>
 14A4: attend a <four-year college or university>
 14A5: other

[Countries with omitted or modified options are indicated below.
 Coded as 'Not Applicable' for 14A1-A5 if responded No to filter (14A=2).]

Variable name(s): CSBGEEDU,CSBGFED1- CSBGFED5

Item ID	Country	Code	Comment
SQ3-14A2	Australia	D	Academic courses at a TAFE (technical and further education) college.
SQ3-14A3	Australia	D	Enter an apprenticeship.
SQ3-14A1	Austria	D	Apprenticeship (Lehre/Berufsschule).
SQ3-14A2	Austria	D	Other occupational training (e.g., health or medical technician, physical therapist).
SQ3-14A3	Austria	D	Teacher Education at a pedagogical academy or university.
SQ3-14A4	Austria	D	University or higher technical institution (fachhochschule).
SQ3-14A2	Cyprus	D	Academic courses at college (not equivalent to university, 2-3 years).
SQ3-14A3	Cyprus	D	Vocational/technical education at higher technical institute (ATI, TEI; 2-3 years).
SQ3-14A1	Czech Republic	D	Extension course
SQ3-14A2	Czech Republic	D	Bachelor or higher degree in humanities.
SQ3-14A3	Czech Republic	D	Bachelor or higher degree in business/technical subjects.
SQ3-14A4	Czech Republic	D	University study (at least 4 years; higher than bachelor).
SQ3-14A1	Denmark	D	Short commercial/technical education.
SQ3-14A2	Denmark	D	Education for public service (e.g., in state or local authority institutions).
SQ3-14A3	Denmark	D	Medium-duration specialized education (e.g., teachers training college, nursing school etc.).
SQ3-14A4	Denmark	D	University or other higher education institutions.
SQ3-14A1	France	X	Question not administered.
SQ3-14A2	France	D	2 or 3 years at university.
SQ3-14A3	France	D	Technical institute (BTS, DUT)
SQ3-14A4	France	D	4 years study or more at university.
SQ3-14A1	Germany	D	Part-time vocational training (Lehre/Berufsschule). Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-14A2	Germany	D	Full-time vocational training. Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-14A3	Germany	D	Specialized higher vocational education (Fachhochschule). Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-14A4	Germany	D	University, technical university, teacher college (pädagogische hochschule). Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-14A1	Greece	D	Vocational or teaching courses in a commercial or professional school.

SQ3-14A2	Greece	D	Academic courses in a college.
SQ3-14A3	Greece	D	Vocational or teaching courses in a college (e.g., Private or state institutes of vocational training).
SQ3-14A4	Greece	D	University education.
SQ3-14A1	Hungary	D	Short vocational training courses.
SQ3-14A2	Hungary	D	Teacher training college or university (3-5 years).
SQ3-14A3	Hungary	D	Technical college or university (3-5 years).
SQ3-14A4	Hungary	D	Economical college or university (3-5 years)
SQ3-14A1	Iceland	D	Vocational study in an upper secondary vocational or business school.
SQ3-14A2	Iceland	D	Matriculation exam.
SQ3-14A3	Iceland	D	Less than 3 years vocational study at university, technical school or technical university.
SQ3-14A4	Iceland	D	University study (3 years study or longer).
SQ3-14A1	Israel	D	Technical/vocational study in a college.
SQ3-14A2	Israel	D	Academic courses in college.
SQ3-14A3	Israel	D	Technological college.
SQ3-14A4	Israel	D	4-year college or university
SQ3-14A1	Italy	D	Post-secondary professional training.
SQ3-14A2	Italy	D	Short university course.
SQ3-14A3	Italy	X	Question not administered.
SQ3-14A4	Italy	D	University degree program.
SQ3-14A2	Lithuania	D	Attend a vocational or agricultural high school.
SQ3-14A3	Lithuania	D	Attend college.
SQ3-14A4	Lithuania	D	Attend university.
SQ3-14A1	Netherlands	D	Senior secondary vocational program (KMBO,MBO).
SQ3-14A2	Netherlands	X	Question not administered.
SQ3-14A3	Netherlands	D	Higher post secondary vocational program (HBO).
SQ3-14A4	Netherlands	D	University.
SQ3-14A2	New Zealand	D	Academic courses at polytechnic (Participation in these degree courses has equivalent status as university degree programs.)
SQ3-14A3	New Zealand	D	Vocational or technical subjects at polytechnic (vocational programs can vary from certificate level to BA-type degree.)
SQ3-14A4	New Zealand	D	University or teachers college.
SQ3-14A1	Norway	D	Short vocational training (post-secondary).
SQ3-14A2	Norway	D	Up to 3 years course at university or college (e.g., teacher training college).
SQ3-14A3	Norway	D	Vocational/technical study at vocational school (1-3 years).
SQ3-14A4	Norway	D	4 or more years study at university.
SQ3-14A1	Russia	D	Vocational/technical school or courses.
SQ3-14A2	Russia	D	Special courses to prepare for university exam.
SQ3-14A3	Russia	D	Short vocational program at college (2 years).
SQ3-14A4	Russia	D	University or other higher education institute.
SQ3-14A2	Slovenia	D	4-year or shorter university study (need final exam from secondary school, e.g., engineers, assistants in laboratories).

SQ3-14A3	Slovenia	D	Vocational/technical program at vocational schools (e.g., nursing, kindergarten teachers).
SQ3-14A4	Slovenia	D	Higher university study (more than 4 years).
SQ3-14A1	South Africa	D	Vocational or technical courses at a trade or business school.
SQ3-14A2	South Africa	D	Academic courses at private or community college (commercial subjects, matriculation, correspondence courses).
SQ3-14A3	South Africa	D	Vocational/technical subject at technical college (3 years, starting after 3 years of high school).
SQ3-14A4	South Africa	D	Attend a technikon (3-4 years practically-oriented program) or University.
SQ3-14A5	South Africa	D	Other.
SQ3-14A1	Sweden	D	Short vocationally oriented courses (up to 1 year).
SQ3-14A2	Sweden	D	Continuing adult education (komvux, folkhögskola).
SQ3-14A3	Sweden	D	University for up to 3 years study.
SQ3-14A4	Sweden	D	University for 3 years or longer.
SQ3-14A1	Switzerland	D	All upper secondary level vocational training (Lehre/Berufsschule).
SQ3-14A2	Switzerland	D	Post-secondary vocational training (Business, management, marketing).
SQ3-14A3	Switzerland	D	Higher specialized vocational education (Fachhochschule, HTL, HW) or teacher college.
SQ3-14A4	Switzerland	D	University or technical university (ETH).

SQ3-14B

Question:

Which of the following comes closest to the area which you intend to study most?

- A: biological sciences
- B: business
- C: chemistry
- D: computer and information sciences
- E: earth sciences
- F: engineering
- G: health occupations
- H: health sciences
- I: mathematics
- J: physics
- K: other field of study

[Coded as 'Not Applicable' if responded No to filter question (14A = 2).]

Variable name(s): CSBGAREA

Item ID	Country	Code	Comment
SQ3-14B	Austria	D	Included only for students intending to go to university or fachhochschule (checked YES to 14A3 or 14A4). Modified options recoded to international categories: Option 7 (Health Occupations) omitted; Option 11 (Other) combines national options for teacher studies, sociology, psychology, language, history/art history/archeology, theology/religion, sport, law and other.
SQ3-14B	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).

SQ3-15**Question:**

During the week how much time before or after school do you usually spend...

- A: taking extra lessons in mathematics?
- B: taking extra lessons in science?
- C: participating in science or mathematics clubs?
- D: working at a paid job?

Variable name(s): CSBMEXTR,CSBSEXTR,CSBGCLUB,CSBGPAID

Item ID	Country	Code	Comment
SQ3-15A	Cyprus	X	Question not administered or data not internationally comparable.
SQ3-15A-D	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).

SQ3-16**Question:**

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

- A: watching television and videos
- B: playing computer games
- C: spending time with friends outside of school
- D: doing jobs at home
- E: working at a paid job
- F: playing sports
- G: reading a book for enjoyment
- H: studying mathematics or doing mathematics homework
- I: studying science or doing science homework
- J: studying or doing homework in other subjects

Variable name(s): CSBGDAY1- CSBGDAY9,CSBGDAY0

Item ID	Country	Code	Comment
SQ3-16A-J	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-16E	Hungary	X	Question not administered or data not internationally comparable.
SQ3-16H	Netherlands	D	Includes only those students reporting currently taking math (SQ3-30A = Yes).
SQ3-16I	Netherlands	D	Includes only students reporting currently taking at least one science class (Yes to at least one of SQ3-34 A-E.)
SQ3-16E	Norway	D	High percent of students coded as 'Not Administered' due to misprint in questionnaire; response option letters missing (A,B,C,D,E) for all five columns.

SQ3-17**Question:**

How often did any of these things happen last month in school?

A: I skipped a class.

B: Something of mine was stolen.

C: I was threatened by another student.

D: Some of my friends skipped classes.

E: Some of my friends had something stolen.

F: Some of my friends were threatened by other students.

Variable name(s): CSBGSSKP,CSBGSSTL,CSBGSHRT,CSBGFSKP,CSBGFSTL,CSBGFHRT

Item ID	Country	Code	Comment
SQ3-17A-F	France	X	Question not administered or data not internationally comparable.
SQ3-17A-F	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-17C,F	Hungary	X	Question not administered or data not internationally comparable.
SQ3-17A-F	Netherlands	X	Question not administered or data not internationally comparable.

SQ3-18**Question:**

What do you think about mathematics?

A: I enjoy learning mathematics.

B: Mathematics is boring.

C: Mathematics is an easy subject.

D: Mathematics is important to everyone's life.

E: I would like a job that involved using mathematics.

Variable name(s): CSBMENJY,CSBMBORE,CSBMEASY,CSBMLIFE,CSBMWORK

Item ID	Country	Code	Comment
SQ3-18A-E	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).

SQ3-19**Question:**

How much do you like...

A: mathematics?

B: biological science?

C: chemistry?

D: earth science?

E: physics?

Variable name(s): CSBMLIKE,CSBBLIKE,CSBCLIKE,CSBELIKE,CSBPLIKE

Item ID	Country	Code	Comment
SQ3-19A-E	Germany	D	Omitted option 5 ('Have not studied'). Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-19E	Latvia	X	Question not administered or data not internationally comparable.
SQ3-19A-E	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-19A-E	Slovenia	D	Option 5 ('Have not studied') not included; ministry reports that all subjects have been studied.

SQ3-20**Question:**

To do well in mathematics at school a person needs...

A: lots of natural <talent/ability>

B: good luck

C: lots of hard work studying at home

D: to memorize the textbook or notes

Variable name(s): CSBMDOW1- CSBMDOW4

Item ID	Country	Code	Comment
SQ3-20A-D	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).

SQ3-21**Question:**

To do well in science at school a person needs...

A: lots of natural <talent/ability>

B: good luck

C: lots of hard work studying at home

D: to memorize the textbook or notes

Variable name(s): CSBSDOW1 - CSBSDOW4

Item ID	Country	Code	Comment
SQ3-21A-D	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-21A-D	Israel	X	Questions not administered or data not internationally comparable.

SQ3-22**Question:**

How well have you usually done in mathematics and the sciences at school?

A: I have usually done well in mathematics.

B: I have usually done well in the sciences.

Variable name(s): CSBMGOOD,CSBSGOOD

Item ID	Country	Code	Comment
SQ3-22A,B	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-22B	Netherlands	D	Contains combined data for four separate questions about: physics, chemistry, biology, earth science.

SQ3-23**Question:**

How often do you use any of the following at school, home or any other place?

- A: calculator
- B: desktop computer
- C: computer terminal
- D: video tapes or video disc machine
- E: electronic mail

Variable name(s): CSBGUSE1 - CSBGUSE5

Item ID	Country	Code	Comment
SQ3-23A-E	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-23E	Hungary	X	Question not administered or data not internationally comparable.

SQ3-24**Question:**

Which of the following best describes the <program/track> you are in at school?

[Up to 12 <country specific> program/track options are included for each country as defined below. Data may be obtained from students or input based on tracking information.]

Variable name(s): CSBGPGRM

Item ID	Country	Code	Comment
SQ3-24	Australia	D	Five options: 1 = Full academic course (preparing for university); 2 = Part academic/part general education; 3 = Program in specific area (e.g., business studies); 4 = School-industry link program; 5 = Other (specify).
SQ3-24	Austria	D	Four options: 1 = Academic (AHS); 2 = Higher technical vocational school (BHS); 3 = Intermediate vocational/technical school (BMS); 4 = Apprenticeship program (BS). (Data obtained from IDSTRAT.)
SQ3-24	Canada	D	Six options for programs in general/comprehensive senior high school: 1 = General University/college preparation program; 2 = University/college preparation with specialization in math; 3 = University/college preparation with specialization in science; 4 = University/college preparation with specialization in math & science; 5 = Trade/technical school preparation program; 6 = Other general graduation program.
SQ3-24	Cyprus	D	Six options: 1,2,3,4,5 = Academic tracks at Lyceum: 1 = classical; 2 = math/science; 3 = economics; 4 = commercial/secretarial; and 5 = foreign language; 6 = Technical/Vocational schools.
SQ3-24	Czech Republic	D	Twelve options (6 vocational; 6 gymnasium): 1-6 vocational tracks: 1 = secondary technical school (engineering); 2 = secondary technical school (business); 3 = other secondary technical school with maturita; 4 = secondary school without maturita; 5 = vocational training center with maturita; 6 = vocational training center without maturita; 7-12 gymnasium tracks: 7 = class oriented on math; 8 = class oriented on math & physics; 9 = class oriented on natural science; 10 = class oriented on computer science; 11 = general class; 12 = class oriented on humanities & foreign languages.
SQ3-24	Denmark	D	Six options: 1 = Gymnasia without advanced math/physics study; 2 = Commercial school without advanced math/physics study; 3 = Technical school without advanced math/physics study; 4 = Gymnasia with advanced math/physics study; 5 = Commercial school with advanced math/physics study; 6 = Technical school with advanced math/physics study. (Data input from IDSCHOOL.)

SQ3-24	France	D	Six options: 1 = Lycees Serie S (scientific); 2 = Lycees Serie L (literacy) or ES (economic and social); 3 = Lycees technical serie STT; 4 = Lycees Technical serie other than STT; 5 = Baccalauréat Professionals (BAC); 6 = Brevet d'etudes professionnels (BEP).
SQ3-24	Germany	D	Three options: 1 = Academic tracks including Gymnasias (GS) and comprehensive schools (IGS); 2 = Technical tracks including higher technical/professional (FG) and applied science (FOS); 3 = Vocational tracks including full-time vocational (BFS) and apprenticeship (BS). (Data input from IDSTRAT.)
SQ3-24	Greece	D	All sampled students in option 1: 1 = Academic track with specialization in math, science and technology. (Data obtained from the ministry.)
SQ3-24	Hungary	D	Eight options: 1 = General academic; 2,3,4,5 = Vocational/professional programs in vocational schools: 2 = Industrial; 3 = Agricultural; 4 = Merchant/economics/catering; 5 = Humanities; 6,7,8 = Vocational trade schools: 6 = Trade; 7 = Merchant; 8 = Agricultural. (Data input from IDSTRAT.)
SQ3-24	Iceland	D	Six options: 1 = general academic programs in Gymnasias or comprehensive schools; 2,3,4,5 = Vocational programs in comprehensive schools or special vocational schools (V1,V2,V3,V4); 6 = Technical programs (mathematics/science) in gymnasias or comprehensive schools.
SQ3-24	Israel	D	Six options based on program of study: 1-5 are academic programs resulting in matriculation certificate: 1 = Advanced courses in math, physics, chemistry; 2 = Advanced course in Biology; 3 = Advanced course in computers, technology, agriculture; 4 = Social studies (history, sociology, geography, economics, communication); 5 = Advanced course in literature, Bible, arts education; 6 = Other (including all vocational tracks/programs).
SQ3-24	Italy	D	Five options: 1 = Classical schools (classics, languages, teaching programs); 2 = Classical schools (science programs); 3 = Art schools; 4 = Vocational schools; 5 = Technical schools. (Data input from IDSTRAT.)
SQ3-24	Latvia	D	All sampled students in option 1: 1 = Academic program in general secondary schools with physics study. (Data obtained from the ministry.)
SQ3-24	Lithuania	D	Two options: 1 = Gymnasias or general academic schools; 2 = Vocational schools. (Data input from IDSCHOOL.)

SQ3-24	Netherlands	D	<p>Nine options: 1,2,3,4 = Long vocational (MBO) programs: 1 = technology; 2 = economics; 3 = agriculture; 4 = home economics; 5 = senior general schools (HAVO); 6 = senior academic pre-university schools (VWO); 7,8,9 = Short vocational (KMBO) programs: 7 = technology; 8 = economics; 9 = home economics.</p>
SQ3-24	New Zealand	D	<p>All sampled students in option 1: 1 = General academic/comprehensive schools. (Data obtained from the ministry.)</p>
SQ3-24	Norway	D	<p>Six options with most common tracks by stratum: 1 = AF (academic - general or math/science specialization); 2 = HK (vocational - trade/office); 3 = HI (vocational - craft/industry); 4 = HS (vocational - health science/social education); 5 = HH (vocational - domestic); 6 = Other.</p>
SQ3-24	Russia	D	<p>Six options for academic programs in general secondary school and gymnasia: 1 = General secondary education; 2 = Advanced math and/or physics; 3 = Advanced study of 1 or more sciences (Geology, physics, chemistry, geography); 4 = Advanced study of 1 or more humanities (literature, history, social science); 5 = Advanced study for languages; 6 = Other.</p>
SQ3-24	Slovenia	D	<p>Five options: 1 = Gymnasia (Matura program); 2 = Technical/professional schools (ends with a final exam, not equivalent to Matura); 3 = 4-year vocational program; 4 = 3-year vocational program; 5 = Other.</p>
SQ3-24	South Africa	D	<p>Six options for programs in general academic/comprehensive schools: 1 = Math & Physical Science (both on HG); 2 = Physical Science on HG, Math on SG; 3 = Math on HG, Physical Science on SG; 4 = Math on HG (no Physical Science); 5 = Math and/or Physical Science at SG or FG; 6 = Humanities (no Math or Physical Science). Course levels: HG = high grade; SG = standard grade; FG = functional grade.</p>
SQ3-24	Sweden	D	<p>Four options: 1 = Academic programs (NT/ NV) - math & physics specialization; 2 = Academic programs (SP/SE) - social science & economics specialization; 3 = Academic program (SP/H) - humanities specialization; 4 = 2-year programs or 3-year vocational programs.</p>
SQ3-24	Switzerland	D	<p>Seven options: 1 = Apprenticeship (berufshilfe); 2 = Vocational training plus general education leading to technical school leaving certificate (Berufsmittelschule); 3 = Full-time vocational school; 4 = Intermediate diploma school (Diplommittelschule); students selecting this option may be following either a general program or a vocational program; 5 = Teacher training (matura level); 6 = Gymnasia Academic Programs in language or economics (Maturita A/B,D,E); 7 = Gymnasia Academic Programs in mathematics/science (Maturita C).</p>

SQ3-24	United States	D	Three options for programs in general/comprehensive senior high schools: 1 = college preparation program (high percentage of college preparation courses); 2 = vocational/technical program (high percentage of vocational courses); 3 = general academic program (combining general academic and vocational coursework).
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SQ3-25**Question:**

What is the most advanced course that you have taken in mathematics?

A: <country specific>

B: <country specific>

C: <country specific>

D: <country specific>

(Up to 12 <country specific> course options are included for each country as defined below.)

Variable name(s): CSBMCOUR

Item ID	Country	Code	Comment
SQ3-25	Australia	D	Five options based on classes defined within each territory: 1 = Year 10 (compulsory); 2 = Year 11; 3 = Year 12, specialists; 4 = Year 12, intermediate; 5 = Year 12, general (business).
SQ3-25	Austria	X	Question not administered or data not internationally comparable.
SQ3-25	Canada	D	Nine options based on grade and course level: 1,2,3 = 10th grade courses (academic specialist, academic general, general); 4,5,6 = 11th grade courses (academic specialist, academic general, general); 7,8 = 12th grade courses (academic specialist, academic general); 9 = 13th grade courses (academic specialist). [Data not available for French students; coded to Not Administered.]
SQ3-25	Cyprus	D	Two options: 1 = Advanced (compulsory for math/science and technical tracks); 2 = Common core.
SQ3-25	Czech Republic	X	Question not administered or data not internationally comparable.
SQ3-25	Denmark	D	Five options: 1 = Math Level A (Advanced); 2 = Math Level B; 3 = Math Level C; 4 = Science for Language Line; 5 = Math in primary and lower secondary.
SQ3-25	France	X	Question not administered or data not internationally comparable.
SQ3-25	Germany	X	Question not administered or data not internationally comparable.
SQ3-25	Greece	D	All sampled students in option 1: 1 = Grade 12 (3rd Lyceum) mathematics in the math, science and technology academic track. (Data obtained from the ministry.)
SQ3-25	Hungary	X	Question not administered or data not internationally comparable.
SQ3-25	Iceland	X	Question not administered or data not internationally comparable.
SQ3-25	Israel	D	Four options: 1 = 3 points course (basic); 2 = 4 points course; 3 = 5 points course (advanced); 4 = Did not study or studied by a different program.
SQ3-25	Italy	D	Five options based on number of years studying math: 1 = 1 year; 2 = 2 years; 3 = 3 years; 4 = 4 years; 5 = 5 years. (Data obtained from schools).

SQ3-25	Latvia	D	Two options: 1 = Mathematics 'pamatkursu' (basic course); 2 = Mathematics 'profilkursu' (advanced courses).
SQ3-25	Lithuania	X	Question not administered or data not internationally comparable.
SQ3-25	Netherlands	D	Eight options based on grade/school categories: 1 = (i)VBO or MAVO, grades 7,8,9; 2 = KMBO or MBO, grade 11; 3 = HAVO (grades 7-10), or VWO (grades 7-11); 4 = (i)VBO or MAVO, final grade (10); 5 = KMBO or MBO, grade 12; 6 = HAVO final grade (11); 7 = VWO final grade (12); 8 = MBO final grades (13,14). [School types: VWO (senior academic, pre-university); HAVO (senior general); MBO (senior vocational); MAVO (junior general); (i)VBO (junior vocational); KMBO (short senior vocational)].
SQ3-25	New Zealand	D	Six options: 1 = school certificate math; 2 = 6th form certificate math; 3 = Bursary math with calculus; 4 = Bursary math with statistics; 5 = Both bursary math with calculus and bursary math with statistics; 6 = Other (Includes school-developed programs). [Note: 'Bursary' = University preparatory level course]
SQ3-25	Norway	D	Eight total options based on track and years of study: 1 = Never studied (Non-AF tracks only); 2,3,4 = Non-AF track: 2 = studied 1 year; 3 = studied 2 years; 4 = studied 3 years; 5,6,7,8 = AF track: 5 = 1 MA - required 1st year course; 6 = 2 MN/MS - 2nd year; 7 = 3 MS - 3rd year for social science; 8 = 3 MN - 3rd year for math/science. [Tracks: AF (academic tracks); non-AF tracks (vocational).]
SQ3-25	Russia	D	Three options: 1 = Humanities course; 2 = General course; 3 = Advanced course.
SQ3-25	Slovenia	D	Question modified to 'Course taken this year'. Four options: 1 = Most advanced math; 2 = Advanced math; 3 = Normal math; 4 = No math this year- less than normal math.
SQ3-25	South Africa	D	Four options: 1 = Did not continue math up to Standard 10 level; 2 = Math FG to Standard 10 level; 3 = Math SG to Standard 10 level; 4 = Math HG up to Standard 10 level. [Course levels: HG=high grade; SG=standard grade; FG=functional grade.]
SQ3-25	Sweden	D	Four options: 1 = Have not studied math since basic school (grundskola); 2 = Only 1 year math - course A or B; 3 = 3 years math in HSE line - math courses A,B and C; 4 = 3 years math in NT line - math courses A,B,C, D and possibly E. [Academic lines: NT (math/science specialization); HSE (not math/science specialization)]
SQ3-25	Switzerland	X	Question not administered or data not internationally comparable.

SQ3-25	United States	D	Twelve options: 1 = General mathematics; 2 = Business/consumer math; 3 = Algebra I; 4 = Algebra II; 5 = Geometry; 6 = Analytic geometry; 7 = Trigonometry; 8 = Statistics; 9 = Math analysis; 10 = Pre-calculus; 11 = Calculus; 12 = AP calculus (Advanced Placement).
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SQ3-26**Question:**

What is the most advanced course that you have taken in physics?

A: I never studied physics.

B: <country specific>

C: <country specific>

(Up to 10 <country specific> course options are included for each country as defined below.)

Variable name(s): CSBPCOUR

Item ID	Country	Code	Comment
SQ3-26	Australia	D	Three options: 1 = Never studied Physics; 2 = Year 10 or Year 11 (specify); 3 = Year 12 (specialists).
SQ3-26	Austria	X	Question not administered or data not internationally comparable.
SQ3-26	Canada	D	Ten options based on grade and course level: 1 = Never studied; 2,3,4 = 10th grade courses (academic specialist, academic general, general); 5,6,7 = 11th grade courses (academic specialist, academic general, general); 8,9 = 12th grade courses (academic specialist, academic general); 10 = 13th grade courses (academic specialist). [Data not available for French students; coded to Not Administered.]
SQ3-26	Cyprus	D	Three options: 1 = Never studied physics; 2 = Advanced; 3 = Common core.
SQ3-26	Czech Republic	X	Question not administered or data not internationally comparable.
SQ3-26	Denmark	D	Four options: 1 = Physics in primary and lower secondary (not studied in upper-secondary); 2 = Physics Level A (Advanced) ; 3 = Physics Level B; 4 = Science for Language Line.
SQ3-26	France	X	Question not administered or data not internationally comparable.
SQ3-26	Germany	X	Question not administered or data not internationally comparable.
SQ3-26	Greece	D	All sampled students in option 1: 1 = Grade 12 (3rd Lyceum) mathematics in the math, science and technology academic track. (Data obtained from the ministry.)
SQ3-26	Hungary	X	Questions not administered or data not internationally comparable.
SQ3-26	Iceland	X	Question not administered or data not internationally comparable.
SQ3-26	Israel	D	Three Options: 1 = Misprinted as 'Never studied Chemistry' instead of Physics; 2 = 3 points course (basic); 3 = 5 points course (advanced). (Students instructed to answer based on physics.)
SQ3-26	Italy	D	Six options based on number of years studying physics: 1 = Never studied physics; 2 = 1 year; 3 = 2 years; 4 = 3 years; 5 = 4 years; 6 = 5 years. (Data obtained from schools.)

SQ3-26	Latvia	D	Three options: 1 = Never studied; 2 = Physics 'pamatkursu' (basic course); 3 = Physics 'profilkursu' (advanced courses).
SQ3-26	Lithuania	X	Question not administered or data not internationally comparable.
SQ3-26	Netherlands	D	Nine options based on grade/school categories: 1 = Never studied; 2 = (i)VBO or MAVO grades 7,8,9; 3 = KMBO or MBO, grade 11; 4 = HAVO (grades 7-10), or VWO (grades 7-11); 5 = (i)VBO or MAVO, final grade (10); 6 = KMBO or MBO, grade 12; 7 = HAVO final grade (11); 8 = VWO final grades (12); 9 = MBO final grades (13,14). [School types: VWO (senior academic, pre-university); HAVO (senior general); MBO (senior vocational); MAVO (junior general); (i)VBO (junior vocational); KMBO (short senior vocational)].
SQ3-26	New Zealand	D	Four options: 1 = Never studied Physics; 2 = School certificate physics; 3 = 6th form certificate physics; 4 = Bursary physics. [Note: 'Bursary' = University preparatory level course]
SQ3-26	Norway	D	Six options based on track and years of study: 1 = Never studied physics (non-AF tracks only); 2,3 = Non-AF track: 2 = studied 1 year; 3 = studied 2 or 3 years; 4,5,6 = AF track: 4 = Naturfag 1 - required 1st year integrated science; 5 = 2 FY - 2nd year physics course; 6 = 3 FY - 3rd year physics course. [Tracks: AF (academic tracks); non-AF tracks (vocational).]
SQ3-26	Russia	D	Three options: 1 = Never studied; 2 = General course; 3 = Advanced course.
SQ3-26	Slovenia	D	Question modified to 'Course taken this year'. Three options: 1 = No physics this year (lower than final year physics); 2 = Advanced physics; 3 = Normal physics.
SQ3-26	South Africa	D	Three options: 1 = Did not continue physical science to Standard 10 level; 2 = Physical Science FG or SG to Standard 10 level; 3 = Physical Science HG to Standard 10 level. [Physical Science = Combined physics and chemistry course. Course levels: HG = high grade; SG = standard grade; FG = functional grade.]
SQ3-26	Sweden	D	Three options: 1 = Have not studied since basic school (grundskola); 2 = Part of general science or other subject; 3 = Special course in subject.
SQ3-26	Switzerland	X	Question not administered or data not internationally comparable.
SQ3-26	United States	D	Five options: 1 = Never studied; 2 = Conceptual Physics; 3 = Physics I; 4 = Physics II; 5 = AP Physics (Advanced Placement).

SQ3-27**Question:**

What is the most advanced course that you have taken in chemistry?

A: I never studied chemistry.

B: <country specific>

C: <country specific>

(Up to 10 <country specific> course options are included for each country as defined below.)

Variable name(s): CSBCCOUR

Item ID	Country	Code	Comment
SQ3-27	Australia	D	Three options: 1 = Never studied Chemistry; 2 = Year 10 or Year 11 (specify); 3 = Year 12.
SQ3-27	Austria	X	Question not administered or data not internationally comparable.
SQ3-27	Canada	D	Ten options based on grade and course level: 1 = Never studied; 2,3,4 = 10th grade courses (academic specialist, academic general, general); 5,6,7 = 11th grade courses (academic specialist, academic general, general); 8,9 = 12th grade courses (academic specialist, academic general); 10 = 13th grade courses (academic specialist). [Data not available for French students; coded to Not Administered.]
SQ3-27	Cyprus	D	Three options: 1 = Never studied chemistry; 2 = Advanced; 3 = Common core.
SQ3-27	Czech Republic	X	Question not administered or data not internationally comparable.
SQ3-27	Denmark	D	Five options: 1 = Chemistry in primary and lower secondary (not studied in upper-secondary); 2 = Chemistry Level A (Advanced); 3 = Chemistry Level B; 4 = Chemistry Level C; 5 = Science for Language Line.
SQ3-27	France	X	Question not administered or data not internationally comparable.
SQ3-27	Germany	X	Question not administered or data not internationally comparable.
SQ3-27	Greece	D	All sampled students in option 1: 1 = Grade 12 (3rd Lyceum) mathematics in the math, science and technology academic track. (Data obtained from the ministry.)
SQ3-27	Hungary	X	Question not administered or data not internationally comparable.
SQ3-27	Iceland	X	Question not administered or data not internationally comparable.
SQ3-27	Israel	D	Three Options: 1 = Misprinted as 'Never studied Physics' instead of Chemistry; 2 = 3 points course (basic); 3 = 5 points course (advanced). (Students instructed to answer based on chemistry.)
SQ3-27	Italy	D	Six options based on number of years studying chemistry: 1 = Never studied chemistry; 2 = 1 year; 3 = 2 years; 4 = 3 years; 5 = 4 years; 6 = 5 years. (Data obtained from schools.)

SQ3-27	Latvia	D	Three options: 1 = Never studied; 2 = Chemistry 'pamatkursu' (basic course); 3 = Chemistry 'profilkursu' (advanced courses).
SQ3-27	Lithuania	X	Question not administered or data not internationally comparable.
SQ3-27	Netherlands	D	Nine options based on grade/school categories: 1 = Never studied; 2 = (i)VBO or MAVO grades 7,8,9; 3 = KMBO or MBO, grade 11; 4 = HAVO (grades 7-10), or VWO (grades 7-11); 5 = (i)VBO or MAVO, final grade (10); 6 = KMBO or MBO, grade 12; 7 = HAVO final grade (11); 8 = VWO final grades (12); 9 = MBO final grades (13,14). [School types: VWO (senior academic, pre-university); HAVO (senior general); MBO (senior vocational); MAVO (junior general); (i)VBO (junior vocational); KMBO (short senior vocational)].
SQ3-27	New Zealand	D	Four options: 1 = Never studied chemistry; 2 = school certificate chemistry; 3 = 6th form certificate chemistry; 4 = Bursary chemistry. [Note: 'Bursary' = University preparatory level course]
SQ3-27	Norway	D	Six options based on track and years of study: 1 = Never studied chemistry (non-AF tracks only); 2,3 = Non-AF track: 2 = studied 1 year; 3 = studied 2 or 3 years; 4,5,6 = AF track: 4 = Naturfag 1 - required 1st year integrated science; 5 = 2 KJ - 2nd year chemistry course; 6 = 3 KJ - 3rd year chemistry course. [Tracks: AF (academic tracks); non-AF tracks (vocational).]
SQ3-27	Russia	D	Three options: 1 = Never studied; 2 = General course; 3 = Advanced course.
SQ3-27	Slovenia	D	Question modified to 'Course taken this year'. Three options: 1 = No chemistry this year (lower than final year chemistry); 2 = Advanced chemistry; 3 = Normal chemistry.
SQ3-27	South Africa	D	Three options: 1 = Did not continue physical science to Standard 10 level; 2 = Physical Science FG or SG to Standard. 10 level; 3 = Physical Science HG to Standard 10 level. [Physical Science = Combined physics and chemistry course. Course levels: HG = high grade; SG = standard grade; FG = functional grade.]
SQ3-27	Sweden	D	Three options: 1 = Have not studied since basic school (grundskola); 2 = Part of general science or other subject; 3 = Special course in subject.
SQ3-27	Switzerland	X	Question not administered or data not internationally comparable.
SQ3-27	United States	D	Four options: 1 = Never studied; 2 = Chemistry I; 3 = Chemistry II; 4 = AP Chemistry (Advanced Placement).

SQ3-28**Question:**

What is the most advanced course that you have taken in biology?

A: I never studied biology.

B: <country specific>

C: <country specific>

(Up to 10 <country specific> course options are included for each country as defined below.)

Variable name(s): CSBBCOUR

Item ID	Country	Code	Comment
SQ3-28	Australia	D	Three options: 1 = Never studied Biology; 2 = Year 10 or Year 11 (specify); 3 = Year 12.
SQ3-28	Austria	X	Question not administered or data not internationally comparable.
SQ3-28	Canada	D	Ten options based on grade and course level: 1 = Never studied; 2,3,4 = 10th grade (academic specialist, academic general, general); 5,6,7 = 11th grade courses (academic specialist, academic general, general); 8,9 = 12th grade courses (academic specialist, academic general); 10 = 13th grade courses (academic specialist). [Data not available for French students; coded to Not Administered.]
SQ3-28	Cyprus	D	Three options: 1 = Never studied biology; 2 = Advanced; 3 = Common core.
SQ3-28	Czech Republic	X	Question not administered or data not internationally comparable.
SQ3-28	Denmark	D	Four options: 1 = Biology in primary and lower secondary (not studied in upper-secondary); 2 = Biology at High Level; 3 = Biology at medium level; 4 = Biology at compulsory level.
SQ3-28	France	X	Question not administered or data not internationally comparable.
SQ3-28	Germany	X	Question not administered or data not internationally comparable.
SQ3-28	Greece	X	Question not administered or data not internationally comparable.
SQ3-28	Hungary	X	Question not administered or data not internationally comparable.
SQ3-28	Iceland	X	Question not administered or data not internationally comparable.
SQ3-28	Israel	D	Three Options: 1 = Never studied biology; 2 = 3 points course (basic); 3 = 5 points course (advanced).
SQ3-28	Italy	D	Six options based on number of years studying biology: 1 = Never studied biology; 2 = 1 year; 3 = 2 years; 4 = 3 years; 5 = 4 years; 6 = 5 years. (Data obtained from schools.)
SQ3-28	Latvia	D	Three options: 1 = Never studied; 2 = Biology 'pamatkursu' (basic course); 3 = Biology 'profilkursu' (advanced courses).
SQ3-28	Lithuania	X	Question not administered or data not internationally comparable.

SQ3-28	Netherlands	D	<p>Nine options based on grade/school categories:</p> <p>1 = Never studied;</p> <p>2 = (i)VBO or MAVO grades 7,8,9;</p> <p>3 = KMBO or MBO-Home Economics, grade 11;</p> <p>4 = HAVO (grades 7-10),or VWO (grades 7-11);</p> <p>5 = (i)VBO or MAVO, final grade (10);</p> <p>6 = KMBO or MBO-Home Economics, grade 12;</p> <p>7 = HAVO final grade (11);</p> <p>8 = VWO final grade (12);</p> <p>9 = MBO final grades (13,14).</p> <p>[School types: VWO (senior academic, pre-university); HAVO (senior general); MBO (senior vocational); MAVO (junior general); (i)VBO (junior vocational); KMBO (short senior vocational)].</p>
SQ3-28	New Zealand	D	<p>Five options:</p> <p>1 = Never studied biology;</p> <p>2 = School certificate human biology;</p> <p>3 = School certificate biology;</p> <p>4 = 6th form certificate biology;</p> <p>5 = Bursary biology.</p> <p>[Note: 'Bursary' = University preparatory level course]</p>
SQ3-28	Norway	D	<p>Six options based on track and years of study:</p> <p>1 = Never studied biology (non-AF tracks only);</p> <p>2,3 = Non-AF track:</p> <p>2 = studied 1 year;</p> <p>3 = studied 2 or 3 years;</p> <p>4,5,6 = AF track:</p> <p>4 = Naturfag 1 - required 1st year integrated science;</p> <p>5 = 2 BI - 2nd year biology course;</p> <p>6 = 3 BI - 3rd year biology course.</p> <p>[Tracks: AF (academic tracks); non-AF tracks (vocational).]</p>
SQ3-28	Russia	D	<p>Three options:</p> <p>1 = Never studied;</p> <p>2 = General course;</p> <p>3 = Advanced course.</p>
SQ3-28	Slovenia	D	<p>Question modified to 'Course taken this year'. Three options:</p> <p>1 = No biology this year (lower than final year biology);</p> <p>2 = Advanced biology;</p> <p>3 = Normal biology.</p>
SQ3-28	South Africa	D	<p>Three options:</p> <p>1 = Did not continue biology to Standard 10 level;</p> <p>2 = Biology FG or SG to Standard 10 level;</p> <p>3 = Biology HG to Standard 10 level.</p> <p>[Course levels: HG = high grade; SG = standard grade; FG = functional grade.]</p>
SQ3-28	Sweden	D	<p>Three options:</p> <p>1 = Have not studied since basic school (grundskola);</p> <p>2 = Part of general science or other subject;</p> <p>3 = Special course in subject.</p>
SQ3-28	Switzerland	X	Question not administered or data not internationally comparable.
SQ3-28	United States	D	<p>Five options:</p> <p>1 = Never studied;</p> <p>2 = Biology;</p> <p>3 = Biology, 2nd year (including botany, zoology, etc.);</p> <p>4 = Human Health & Nutrition;</p> <p>5 = Human Anatomy or Physiology.</p>

SQ3-29**Question:**

What is the most advanced course that you have taken in earth science/geography?

A: I never studied <earth science/geography>.

B: <country specific>

C: <country specific>

(Up to 10 <country specific> course options are included for each country as defined below.)

Variable name(s): CSBECOUR

Item ID	Country	Code	Comment
SQ3-29	Australia	D	Three options: 1 = Never studied Geography or Earth Science; 2 = Year 10 or Year 11 (specify); 3 = Year 12.
SQ3-29	Austria	X	Question not administered or data not internationally comparable.
SQ3-29	Canada	X	Question not administered or data not internationally comparable.
SQ3-29	Cyprus	D	Three options: 1 = Never studied earth science; 2 = Advanced; 3 = Common core.
SQ3-29	Czech Republic	X	Question not administered or data not internationally comparable.
SQ3-29	Denmark	D	Three options: 1 = Geography in primary and lower secondary (not studied in upper-secondary); 2 = Geography at medium level; 3 = Compulsory geography in grade 2 of higher secondary.
SQ3-29	France	X	Question not administered or data not internationally comparable.
SQ3-29	Germany	X	Question not administered or data not internationally comparable.
SQ3-29	Greece	X	Question not administered or data not internationally comparable.
SQ3-29	Hungary	X	Question not administered or data not internationally comparable.
SQ3-29	Iceland	X	Question not administered or data not internationally comparable.
SQ3-29	Israel	D	Three Options: 1 = Never studied earth science; 2 = 3 points course (basic); 3 = 5 points course (advanced).
SQ3-29	Italy	D	Six options based on number of years studying earth science: 1 = Never studied earth science; 2 = 1 year; 3 = 2 years; 4 = 3 years; 5 = 4 years; 6 = 5 years. (Data obtained from schools.)
SQ3-29	Latvia	D	Three options: 1 = Never studied; 2 = Earth science 'pamatkursu' (basic course); 3 = Earth science 'profilkursu' (advanced courses).
SQ3-29	Lithuania	X	Question not administered or data not internationally comparable.

SQ3-29	Netherlands	D	<p>Nine options based on grade/school categories:</p> <p>1 = Never studied;</p> <p>2 = (i)VBO or MAVO grades 7,8,9;</p> <p>3 = KMBO or MBO-Home Economics, grade 11;</p> <p>4 = HAVO (grades 7-10), or VWO (grades 7-11);</p> <p>5 = (i)VBO or MAVO, final grade 10;</p> <p>6 = KMBO or MBO-Home Economics, grade 12;</p> <p>7 = HAVO final grade (11);</p> <p>8 = VWO final grade (12);</p> <p>9 = MBO final grades (13,14).</p> <p>[School types: VWO (senior academic, pre-university); HAVO (senior general); MBO (senior vocational); MAVO (junior general);(i)VBO (junior vocational); KMBO (short senior vocational)].</p>
SQ3-29	New Zealand	D	<p>Four options:</p> <p>1 = Never studied geography/earth science;</p> <p>2 = School certificate geography/earth science;</p> <p>3 = 6th Form certificate geography/earth science;</p> <p>4 = Bursary geography/earth science.</p> <p>[Note: 'Bursary' = University preparatory level course]</p>
SQ3-29	Norway	D	<p>Six options based on track and years of study:</p> <p>1 = Never studied earth science (non-AF tracks only);</p> <p>2,3 = Non-AF track:</p> <p>2 = studied 1 year;</p> <p>3 = studied 2 or 3 years;</p> <p>4,5,6 = AF track:</p> <p>4 = Naturfag 1 - required 1st year integrated science;</p> <p>5 = 2 FY - 2nd year earth science course;</p> <p>6 = 3 FY - 3rd year earth science course.</p> <p>[Tracks: AF (academic tracks); non-AF tracks (vocational).]</p>
SQ3-29	Russia	D	<p>Three options:</p> <p>1 = Never studied;</p> <p>2 = General course;</p> <p>3 = Advanced course.</p>
SQ3-29	Slovenia	D	<p>Question modified to 'Course taken this year'. Three options:</p> <p>1 = No geography this year (lower than final year geography);</p> <p>2 = Advanced geography;</p> <p>3 = Normal geography.</p>
SQ3-29	South Africa	D	<p>Three options:</p> <p>1 = Did not continue Geography to Standard 10 level;</p> <p>2 = Geography FG or SG to Standard 10 level;</p> <p>3 = Geography HG to Standard 10 level.</p> <p>[Course levels: HG = high grade; SG = standard grade; FG = functional grade.]</p>
SQ3-29	Sweden	D	<p>Three options:</p> <p>1 = Have not studied since basic school (grundskola);</p> <p>2 = Part of general science or other subject;</p> <p>3 = Special course in subject.</p>
SQ3-29	Switzerland	X	Question not administered or data not internationally comparable.
SQ3-29	United States	D	<p>Six options:</p> <p>1 = Never studied;</p> <p>2 = General Science;</p> <p>3 = Earth Science;</p> <p>4 = Physical Science;</p> <p>5 = Environmental Science;</p> <p>6 = Astronomy.</p>

SQ3-30A**Question:**

Are you currently taking a mathematics course?

(Filter question for 30B,C and 33.)

Variable name(s): CSBMTAKE

Item ID	Country	Code	Comment
SQ3-30A	Germany	X	Question not administered or data not internationally comparable.
SQ3-30A	Latvia	D	Data obtained from the ministry; all sampled students take math.

SQ3-30B,C**Question:**

If you are currently taking a mathematics course:

B: How many <classes/periods> do you usually have each week?

C: How many minutes are there in each mathematics <class/period>?

[Coded as 'Not Applicable' if responded No to filter question regarding currently taking mathematics (30A = 2).]

Variable name(s): CSBMCLAS,CSBMTIME

Item ID	Country	Code	Comment
SQ3-30C	Austria	D	Not asked; data obtained from the ministry.
SQ3-30B	Canada	D	Used categorical format: 1,2,...,8,9 or more.
SQ3-30C	Canada	D	Used categorical format: 10,20,...,90,>90. (>90 coded as 100.)
SQ3-30B,C	Denmark	D	Data obtained from the ministry for advanced math/physics students. No data available for Literacy students.
SQ3-30B,C	Germany	X	Question not administered or data not internationally comparable.
SQ3-30C	Slovenia	D	Data obtained from the ministry; all mathematics periods are 45 minutes.

SQ3-31**Question:**

In your mathematics lessons, how often are you asked to do the following?

- A: explain the reasoning behind an idea
- B: represent and analyze relationships using tables, charts, or graphs
- C: work on problems for which there is no obvious method of solution
- D: write equations to represent relationships
- E: solve equations
- F: practice computational skills
- G: apply models to data
- H: memorize rules and procedures
- :
- M: begin your homework before the class ends

Variable name(s): CSBMDO01 - CSBMDO13

Item ID	Country	Code	Comment
SQ3-31A-M	Austria	D	Included only for students currently taking mathematics (30A = Yes).
SQ3-31C	Denmark	D	Translated <Work on Problems for which there is no immediately obvious solution> as 'working with problem solving'.
SQ3-31A-M	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-31A-M	Hungary	D	Included only for students currently taking mathematics (30A = Yes).
SQ3-31A-M	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-31A-M	Switzerland	D	Included only for students currently taking mathematics (30A = Yes).

SQ3-32**Question:**

Do you use a textbook in your mathematics class?

(Filter question for SQ3-32A-E.)

Variable name(s): CSBMTXBK

Item ID	Country	Code	Comment
SQ3-32	Austria	D	Included only for students currently taking mathematics (30A = Yes).
SQ3-32	France	X	Question not administered or data not internationally comparable.
SQ3-32	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-32	Hungary	D	Included only for students currently taking mathematics (30A = Yes).
SQ3-32	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-32	Norway	D	Included only for math specialists within academic track.
SQ3-32	Switzerland	D	Included only for students currently taking mathematics (30A = Yes).

SQ3-32A-E**Question:**

If Yes, do you use the following textbooks?

A: <country specific>

B: <country specific>

.

E: <country specific>

[Coded as 'Not Applicable' if responded No to filter question regarding use of textbook in mathematics class (32 = 2). Parts A - E include nationally-defined textbooks for each country.]

Variable name(s): CSBMTXN1 - CSBMTXN5

Item ID	Country	Code	Comment
SQ3-32A-E	Australia	X	Textbook data not available.
SQ3-32A-E	Austria	X	Textbook data not available.
SQ3-32A	Canada	D	English: 'Algebra & Geometry', Holt, Rinehart, & Winston. French: 'Algèbre et géométrie', Edwin Anderson.
SQ3-32B	Canada	D	English: 'Calculus: A Problem-Solving Approach', John Wiley & Sons. French: 'Le calcul différentiel et intégral', Neal Reid.
SQ3-32C	Canada	D	English: 'Math 31', Holt, Rinehart, & Winston. French: 'Mathématiques 103, Introduction au calcul différentiel et intégral'.
SQ3-32D	Canada	D	English: 'Mathematics 12' (B.C. Edition), Addison Wesley. French: 'Mathématiques discrètes', John Egsard.
SQ3-32E	Canada	D	English: 'Calculus, A First Course', McGraw-Hill Ryerson. French: Other textbook.
SQ3-32A	Cyprus	D	Textbook for Advanced Mathematics.
SQ3-32B	Cyprus	D	Textbook for Common Core Mathematics.
SQ3-32C	Cyprus	D	Textbook for Mathematics for Technical Schools.
SQ3-32D,E	Cyprus	X	Question not administered.
SQ3-32A	Czech Republic	D	Special textbook for class oriented on mathematics; asked only of gymnasium students.
SQ3-32B	Czech Republic	D	Mathematics textbook for gymnasium; asked of both gymnasium and technical/vocational students.
SQ3-32C	Czech Republic	D	Mathematics textbook for technical schools or vocational training with maturita; asked only of technical/vocational students.
SQ3-32D	Czech Republic	D	Mathematics textbook for vocational training without maturita; asked only of technical/vocational students.
SQ3-32E	Czech Republic	X	Question not administered.
SQ3-32A-E	Denmark	X	Textbook data not available.
SQ3-32A-E	France	X	Question not administered.
SQ3-32A-E	Germany	X	Textbook data not available.
SQ3-32A	Greece	D	Mathematics textbook for Grade 12 (3rd Lyceum) in math, science and technology academic track.
SQ3-32B	Greece	D	Mathematics textbook for Grade 12 (3rd Lyceum) in social, economic science academic track.
SQ3-32C	Greece	D	Mathematics textbook for Grade 12 (3rd Lyceum) in medical, dentistry, pharmacy and veterinary science academic track.
SQ3-32D	Greece	D	Mathematics textbook for core mathematics course in multi-branch lycea and technical/vocational schools.

SQ3-32E	Greece	D	Other mathematics textbook.
SQ3-32A-E	Hungary	X	Textbook data not available.
SQ3-32A-E	Iceland	X	Textbook data not available.
SQ3-32A	Israel	D	Algebra textbook for 4-5 point course, B. Goren.
SQ3-32B	Israel	D	Trigonometry textbook for 4-5 point course, B. Goren.
SQ3-32C	Israel	D	Calculus textbook for 4-5 point course, B. Goren.
SQ3-32D	Israel	D	Analytical Geometry, B. Goren.
SQ3-32E	Israel	D	Algebra, A. Aspis.
SQ3-32A-E	Italy	X	Textbook data not available.
SQ3-32A	Latvia	D	'Algebra and Elements of Math Analysis', J. Kolmogorovs.
SQ3-32B	Latvia	D	'Geometry, Grades 10-12', A. Pogorelovs.
SQ3-32C	Latvia	D	'Geometry, Grades 10-12', L. Apanasjans.
SQ3-32D	Latvia	D	'Typical Mathematics Exercises, Grades 10-12', D. Krikis.
SQ3-32E	Latvia	D	'Differential Mathematics Exercises', D. Krikis.
SQ3-32A-E	Lithuania	X	Question not administered.
SQ3-32A-E	Netherlands	X	Question not administered.
SQ3-32A	New Zealand	D	Delta Mathematics (Calculus).
SQ3-32B	New Zealand	D	Sigma Mathematics (Statistics).
SQ3-32C	New Zealand	D	Theta Mathematics (Form 6).
SQ3-32D	New Zealand	D	Senior Mathematics (Sealy and Agnew, Form 6).
SQ3-32E	New Zealand	D	Sixth Form Mathematics, Notes and Examples.
SQ3-32A	Norway	D	'Matematikk 3MN', Erstad, Bjørmsgård. (Includes only math specialists within the academic track.)
SQ3-32B	Norway	D	'Matematikk', Sandvold, Øgrim. (Includes only math specialists within the academic track.)
SQ3-32C	Norway	D	'Matematikk 3MN', Ommundsen, Solvang. (Includes only math specialists within the academic track.)
SQ3-32D,E	Norway	X	Question not administered.
SQ3-32A	Russia	D	'Algebra and Calculus 10-11', A. N. Kolmogorov et al.
SQ3-32B	Russia	D	'Algebra and Calculus 10-11', S. A. Alomov et al.
SQ3-32C	Russia	D	'Geometry 6-10', A. V. Pogorelov.
SQ3-32D	Russia	D	'Algebra and Calculus (10th - 11th Grades)', N. Y. Velekin et al.
SQ3-32E	Russia	D	'Geometry 10-11', L. S. Atanasjan.
SQ3-32A	Slovenia	D	Newer mathematics textbook, P. Legisa.
SQ3-32B	Slovenia	D	Older advanced mathematics textbook, F. Krizanic.
SQ3-32C	Slovenia	D	Other mathematics textbook.
SQ3-32D,E	Slovenia	X	Question not administered.
SQ3-32A	South Africa	D	Active Mathematics (Dreyer & Gildenhuis), DeJager-HAUM.
SQ3-32B	South Africa	D	Classroom Mathematics (Lariden. e.a.), Lexicon Ed.
SQ3-32C	South Africa	D	Mathematics for today (Dekker, Visser, e.a.), Juta Ed.
SQ3-32D	South Africa	D	Exploring Mathematics (Engelbrecht & Lubbe), Via Afrika Ed.
SQ3-32E	South Africa	D	Other textbook.

SQ3-32A	Sweden	D	Mathematics textbook published by Akademiforlaget: Mathema.
SQ3-32B	Sweden	D	Mathematics textbook published by Gleerup: Gamma, Limit, Delta (3 different books included).
SQ3-32C	Sweden	D	Mathematics textbook published by Liber: Gymnasiematematik, Stadium, Matematikkurs, Matematikprogram (4 different books included).
SQ3-32D	Sweden	D	Mathematics textbook published by Natur and Kultur: Matematik S-E, Matematik 2000 (2 different books included).
SQ3-32E	Sweden	D	Mathematics textbook by any other publisher.
SQ3-32A-E	Switzerland	X	Question not administered.
SQ3-32A	United States	D	Calculus: A Graphing Approach; Addison-Wesley, 1993.
SQ3-32B	United States	D	Calculus with Analytic Geometry; John Wiley & Sons, 1992.
SQ3-32C	United States	D	Other textbook.
SQ3-32D,E	United States	X	Questions not administered.

SQ3-33
Question:

How often is mathematics homework assigned to you?

[Coded as 'Not Applicable' if responded No to filter question regarding currently taking mathematics (30A = 2).]

Variable name(s): CSBMHMWK

Item ID	Country	Code	Comment
SQ3-33	Austria	D	Included only for students currently taking mathematics (30A = Yes).
SQ3-33	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-33	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-33	Switzerland	D	Included only for students currently taking mathematics (30A = Yes).

SQ3-34**Question:**

Are you currently taking any of the following science courses (Yes/No)?

A: physics

B: chemistry

C: biology

D: earth science

E: other science course

[Questions used as a filter for 35B,C and 38.]

Variable name(s): CSBSCOU1 - CSBSCOU5

Item ID	Country	Code	Comment
SQ3-34A	Austria	D	Physics or physics-related vocational classes.
SQ3-34E	Austria	D	Modified: 'Other Science Course' combines national options for information technology, geometric drawing (e.g., technical drawing, CAD) and other.
SQ3-34E	France	X	Question not administered or data not internationally comparable.
SQ3-34A-E	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-34E	Sweden	D	Includes 'general science'.

SQ3-35A**Question:**

For which science subject are you completing questions 36 and 37?

International response options:

- 1 = physics
- 2 = chemistry
- 3 = biology
- 4 = earth science
- 5 = other science course

[Students were instructed to answer 36 and 37 with respect to the physics course they are currently taking. If the students are not currently taking a physics course, they were instructed to answer 36 and 37 with respect to a science course they are currently taking. If students are not currently taking any science, they were instructed to answer 36 and 37 with respect to the most recent science course they have taken.]

Variable name(s): CSBSQUES

Item ID	Country	Code	Comment
SQ3-35A	Austria	D	Students instructed to respond based on physics or physics-related vocational classes. All students coded to option 1.
SQ3-35A	France	D	Students instructed to respond based on physics class. All students coded to option 1.
SQ3-35A	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-35A	Hungary	D	Students instructed to respond based on physics class. All students coded to option 1.
SQ3-35A	Latvia	D	Students instructed to respond based on physics class. All students coded to option 1.
SQ3-35A	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-35A	Russia	D	Students instructed to respond based on physics class. All students coded to option 1.
SQ3-35A	South Africa	D	Option 5 = Physical science (i.e., combined physics and chemistry).
SQ3-35A	Switzerland	D	Students instructed to respond based on physics class. All students coded to option 1.

SQ3-35B,C**Question:**

If this is a science course you are currently taking:

B: How many <classes/periods> do you usually have each week, including laboratory work?

C: How many minutes are there in each <class/period> for this course?

[Coded as 'Not Applicable' if responded No to all filter questions regarding currently taking science (34A-E = 2).]

Variable name(s): CSBSCLAS,CSBSTIME

Item ID	Country	Code	Comment
SQ3-35B	Austria	D	Modified: Asked students to list all physics-related courses. Data included for the course with the highest number of classes per week.
SQ3-35C	Austria	D	Data obtained from the ministry; all physics classes are 50 minutes.
SQ3-35B	Canada	D	Used categorical format: 1,2,...,8,9 or more.
SQ3-35C	Canada	D	Used categorical format: 10,20,...,90,>90. (>90 coded as 100.)
SQ3-35B	Denmark	D	Data obtained from the ministry for advanced math/physics students; all students have 5 classes per week. No data available for Literacy students.
SQ3-35C	Denmark	D	Data obtained from the ministry for advanced math/physics students; all classes are 45 minutes. No data available for Literacy students.
SQ3-35B,C	France	D	Included only for students currently in Physics classes.
SQ3-35B,C	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-35B	Hungary	D	Included only for students currently in Physics classes.
SQ3-35C	Hungary	D	Data obtained from the ministry; all physics classes are 45-minutes.
SQ3-35B,C	Latvia	D	Included only for students currently in Physics classes.
SQ3-35B,C	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-35B,C	Russia	D	Included only for students currently in Physics classes.
SQ3-35B,C	South Africa	D	Students told to respond for a science course currently taking or most recent; does not specify priority for Physics.
SQ3-35C	Sweden	D	Modified: asked minutes/week instead of minutes/class. Recoded to provide international data: minutes/class = minutes/week divided by classes/week [35C/35B].
SQ3-35B,C	Switzerland	D	Included only for students currently in Physics classes.

SQ3-36**Question:**

In your physics (or science) lessons, how often are you asked to do the following?

A: explain the reasoning behind an idea

B: represent and analyze relationships using tables, charts, or graphs

C: work on problems for which there is no obvious method of solution

D: write explanations about what was observed and why it happened

E: put events/objects in order and give a reason for the organization

:

N: begin your homework before the class ends

Variable name(s): CSBSDO01 - CSBSDO14

Item ID	Country	Code	Comment
SQ3-36A-M	Austria	D	Included only for students currently in Physics or Physics-related vocational classes. Students instructed to answer based on the course they have most often per week.
SQ3-36C	Denmark	D	Translated <Work on Problems for which there is no immediately obvious solution> as 'working with problem solving'.
SQ3-36A-N	France	D	Included only for students currently in Physics classes.
SQ3-36A-N	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-36A-N	Hungary	D	Included only for students currently in Physics classes.
SQ3-36A-N	Latvia	D	Included only for students currently in Physics classes.
SQ3-36A-N	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-36A-N	Russia	D	Included only for students currently in Physics classes.
SQ3-36M	Sweden	D	Translated 'Scientific concepts' as 'problems'.
SQ3-36A-N	Switzerland	D	Included only for students currently in Physics classes.

SQ3-37**Question:**

Do you use a textbook in your physics (or science) class?

(Filter question for SQ3-37A-E.)

Variable name(s): CSBSTXBK

Item ID	Country	Code	Comment
SQ3-37	Austria	D	Included only for students currently in Physics or Physics-related vocational classes. Students instructed to answer based on the course they have most often per week.
SQ3-37	France	X	Question not administered.
SQ3-37	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-37	Hungary	D	Included only for students currently in Physics classes.
SQ3-37	Latvia	D	Included only for students currently in Physics classes.
SQ3-37	Netherlands	X	Question not administered.
SQ3-37	Norway	D	Includes only for physics specialists within the academic track.
SQ3-37	Russia	D	Included only for students currently in Physics classes.
SQ3-37	Switzerland	D	Included only for students currently in Physics classes.

SQ3-37A-E**Question:**

If yes, do you use the following textbooks?

A: <country specific text>

B: <country specific text>

C: <country specific text>

:

E: <country specific text>

[Parts A-E include nationally-defined textbooks for each country. Coded as 'Not Applicable' if responded No to filter question regarding use of textbook in physics (science) class (37 = 2).]

Variable name(s): CSBSTXN1 - CSBSTXN5

Item ID	Country	Code	Comment
SQ3-37A-E	Australia	X	Textbook data not available.
SQ3-37A-E	Austria	X	Textbook data not available.
SQ3-37A	Canada	D	English: 'Physics - Principles & Problems', Charles E. Merrill. French: 'Principles fondamentaux de la physique : un cours avancé'.
SQ3-37B	Canada	D	English: 'Physics' (2nd edition), Prentice Hall. French: 'Biologie : Évolution, diversité et environnement'.
SQ3-37C	Canada	D	English: 'Fundamental Physics - A Senior Course', D.C. Heath. French: 'La chimie : une approche moderne'.
SQ3-37D	Canada	D	English: 'Fundamentals of Physics', Combined Edition. D.C. Heath. French: Not included.
SQ3-37E	Canada	D	Other textbook.
SQ3-37A	Cyprus	D	Textbook for Advanced Physics.
SQ3-37B	Cyprus	D	Textbook for Common Core Physics.
SQ3-37C	Cyprus	D	Textbook for Physics for Technical Schools.
SQ3-37D	Cyprus	D	Textbook for Advanced Chemistry.
SQ3-37E	Cyprus	D	Textbook for Common Core Chemistry.
SQ3-37A	Czech Republic	D	Physics textbook for gymnasium; data included only for gymnasium students.
SQ3-37B	Czech Republic	D	Chemistry textbook for gymnasium; data included only for gymnasium students.
SQ3-37C	Czech Republic	D	Biology textbook for gymnasium; data included only for gymnasium students.
SQ3-37D	Czech Republic	D	Geography textbook for gymnasium; data included only for gymnasium students.
SQ3-37E	Czech Republic	D	Other (specify); data included only for gymnasium students.
SQ3-37A-E	Denmark	X	Textbook data not available.
SQ3-37A-E	France	X	Question not administered.
SQ3-37A-E	Germany	X	Textbook data not available.
SQ3-37A	Greece	D	Physics textbook for Grade 12 (3rd Lyceum) academic specialist track.
SQ3-37B	Greece	D	Physics textbook for core physics course in multi-branch lycea and technical/vocational schools.
SQ3-37C	Greece	D	Chemistry textbook for Grade 12 (3rd Lyceum) academic specialist track.
SQ3-37D	Greece	D	Chemistry textbook for core chemistry course in multi-branch lycea and technical/vocational schools.
SQ3-37E	Greece	D	Biology textbook for Grade 12 (3rd Lyceum) academic specialist track.
SQ3-37A-E	Hungary	X	Textbook data not available.

SQ3-37A-E	Iceland	X	Textbook data not available.
SQ3-37A	Israel	D	Mechanics, Work and Energy, Witzman Institute.
SQ3-37B	Israel	D	Light and Waves, Witzman Institute.
SQ3-37C	Israel	D	Electricity and Magnetism, Y. Eshel.
SQ3-37D	Israel	D	Modern Physics, Y. Eshel.
SQ3-37E	Israel	D	Newton's Mechanics A and B, Rosen and Krakower.
SQ3-37A-E	Italy	X	Textbook data not available.
SQ3-37A	Latvia	D	'Physics, Grade 12', J. Krumins (editor). (Included only for students currently in Physics classes).
SQ3-37B	Latvia	D	'Physics Laboratory Experiments', J. Krumins (editor). (Included only for students currently in Physics classes).
SQ3-37C	Latvia	D	'Physics, Grade 11', G. Nokishevs. (Included only for students currently in Physics classes).
SQ3-37D	Latvia	D	'Physics Exercises with Solutions', V. Gaumigs (editor). (Included only for students currently in Physics classes).
SQ3-37E	Latvia	D	'Physics Handbook', E. Shilters. (Included only for students currently in Physics classes).
SQ3-37A-E	Lithuania	X	Question not administered.
SQ3-37A-E	Netherlands	X	Question not administered.
SQ3-37A	New Zealand	D	Senior Physics for Form Seven.
SQ3-37B	New Zealand	D	Textbook for Physics Form Six (Physics 2000; Practical Physics for Form Six; or Sixth Form Physics, Notes and Examples (McLaughlin)).
SQ3-37C	New Zealand	D	Senior Biology for Form Seven.
SQ3-37D	New Zealand	D	Biology for Form Six.
SQ3-37E	New Zealand	D	Other science textbook (includes Form Six or Form Seven chemistry, geography or other science).
SQ3-37A	Norway	D	'Rom, Stoff, Tid' (Space, Matter, Time), Øgrim et al. (Includes only physics specialists within the academic track.)
SQ3-37B	Norway	D	'Fysikk' (Physics), Isnes, Nilsen, Sandås. (Includes only physics specialists within the academic track.)
SQ3-37C	Norway	D	'ERGO. Fysikk' (ERGO. Physics), Callin, Falch, Walle. (Includes only physics specialists within the academic track.)
SQ3-37D,E	Norway	X	Question not administered.
SQ3-37A	Russia	D	'Physics 11', G. Y. Mjakishev et al. (Included only for students currently in Physics classes.)
SQ3-37B	Russia	D	'Physics 11', N. M. Shaghmaev et al. (Included only for students currently in Physics classes.)
SQ3-37C	Russia	D	'Physics', A. E. Maron et al. (Included only for students currently in Physics classes.)
SQ3-37D	Russia	D	'Fundamentals of Physics', A. A. Pinsky and B. M. Javorsky. (Included only for students currently in Physics classes.)
SQ3-37E	Russia	D	'Elementary Physics Textbook', G. S. Langsberg (editor). (Included only for students currently in Physics classes.)
SQ3-37A	Slovenia	D	Advanced physics textbook, Kuscar & Moljk.
SQ3-37B	Slovenia	D	Other physics textbook.
SQ3-37C-E	Slovenia	X	Question not administered.
SQ3-37A	South Africa	D	Physical Science; Brink & Jones -Juta Edition.

SQ3-37B	South Africa	D	Physical Science in Action; DeJager-HAUM Edition.
SQ3-37C	South Africa	D	Senior Biology; DuToit,van Rensburg e.a.-Nasou Edition.
SQ3-37D	South Africa	D	Senior Secondary Biology; Smit, Fox, e.a. - Maskew Miller Longman.
SQ3-37E	South Africa	D	Other science textbook.
SQ3-37A	Sweden	D	'Fysik för gy 3' (physics text for upper-secondary third year), Alphones (publisher).
SQ3-37B	Sweden	D	'Fysik NT' 3 för gymnasies Kolan (physics text for third year math/science track, NT), Staffansson Andersson, Johnsson, Snarr (publisher).
SQ3-37C	Sweden	D	'Gymnasieskolans fysik åk 3' (physics text for upper-secondary third year), Adolfsson (publisher).
SQ3-37D	Sweden	D	'Fysik NT 3' (physics text for third year math/science track, NT), Studium (publisher).
SQ3-37E	Sweden	D	Other physics textbook.
SQ3-37A-E	Switzerland	X	Question not administered.
SQ3-37A	United States	D	Modern physics; Holt Rinehart, Winston, 1992.
SQ3-37B	United States	D	University physics; Addison Wesley, 1992.
SQ3-37C	United States	D	Other textbook.
SQ3-37D,E	United States	X	Questions not administered.

SQ3-38
Question:

How often is physics (or science) homework assigned to you?

[Coded as 'Not Applicable' if responded No to all filter questions regarding currently taking science (34A-E = 2).]

Variable name(s): CSBSHMWK

Item ID	Country	Code	Comment
SQ3-38	Austria	D	Included only for students currently in Physics or Physics-related vocational classes. Students instructed to answer based on the course they have most often per week.
SQ3-38	France	D	Included only for students currently in Physics classes.
SQ3-38	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-38	Hungary	D	Included only for students currently in physics classes.
SQ3-38	Latvia	D	Included only for students currently in Physics classes.
SQ3-38	Netherlands	X	Question not administered or data not internationally comparable.
SQ3-38	Russia	D	Included only for students currently in Physics classes.
SQ3-38	South Africa	X	Question not administered or data not internationally comparable.
SQ3-38	Switzerland	D	Included only for students currently in Physics classes.

SQ3-39**Question:**

Are you repeating the grade level in which you are currently enrolled?

Variable name(s): CSBGREPT

Item ID	Country	Code	Comment
SQ3-39	Denmark	X	Question not administered or data not available.
SQ3-39	France	X	Question not administered or data not available.
SQ3-39	Germany	D	Not administered in Applied Science or Vocational version of questionnaire (FOS/BFS or BS).
SQ3-39	Iceland	D	Asked if repeating a grade (1year) or a term (1/2 year).
SQ3-39	Israel	X	Question not administered or data not available.
SQ3-39	Latvia	X	Question not administered or data not available.
SQ3-39	Lithuania	X	Question not administered or data not available.
SQ3-39	New Zealand	X	Question not administered or data not available.
SQ3-39	Norway	X	Question not administered or data not available.
SQ3-39	Russia	X	Question not administered or data not available.

SQ3-40**Question:**

Have you ever completed any other final-year <tracks/programs of study>?

(Filter question for SQ3-40A.)

Variable name(s): CSBGCPT1

Item ID	Country	Code	Comment
SQ3-40	Australia	X	Question not administered or data not available.
SQ3-40	Austria	X	Question not administered or data not available.
SQ3-40	Czech Republic	X	Question not administered or data not available.
SQ3-40	Denmark	X	Question not administered or data not available.
SQ3-40	Germany	X	Question not administered or data not available.
SQ3-40	Hungary	X	Question not administered or data not available.
SQ3-40	Israel	X	Question not administered or data not available.
SQ3-40	Latvia	X	Question not administered or data not available.
SQ3-40	Lithuania	X	Question not administered or data not available.
SQ3-40	Netherlands	D	Coded to NO if responded YES to completing ivbo (#40A=1), not a final year track.
SQ3-40	New Zealand	X	Question not administered or data not available.
SQ3-40	Norway	X	Question not administered or data not available.
SQ3-40	Russia	X	Question not administered or data not available.
SQ3-40	Switzerland	D	Included only for students in German and French cantons.
SQ3-40	United States	X	Question not administered or data not available.

SQ3-40A**Question:**

If yes, which program did you complete?

[Coded as 'Not Applicable' if responded No to filter question regarding completion of other track/program (40 = 2).]

Variable name(s): CSBGCP2

Item ID	Country	Code	Comment
SQ3-40A	Australia	X	Question not administered or data not available.
SQ3-40A	Austria	X	Question not administered or data not available.
SQ3-40A	Canada	X	Question not administered or data not available.
SQ3-40A	Cyprus	X	Question not administered or data not available.
SQ3-40A	Czech Republic	X	Question not administered or data not available.
SQ3-40A	Denmark	X	Question not administered or data not available.
SQ3-40A	France	X	Question not administered or data not available.
SQ3-40A	Germany	X	Question not administered or data not available.
SQ3-40A	Greece	X	Question not administered or data not available.
SQ3-40A	Hungary	X	Question not administered or data not available.
SQ3-40A	Iceland	X	Question not administered or data not available.
SQ3-40A	Israel	X	Question not administered or data not available.
SQ3-40A	Italy	X	Question not administered or data not available.
SQ3-40A	Latvia	X	Question not administered or data not available.
SQ3-40A	Lithuania	X	Question not administered or data not available.
SQ3-40A	Netherlands	D	Five options: 1 = (i)VBO (not a final year track); 2 = (i)VBO (junior vocational); 3 = MAVO (junior general); 4 = HAVO (senior general); 5 = Other.
SQ3-40A	New Zealand	X	Question not administered or data not available.
SQ3-40A	Norway	X	Question not administered or data not available.
SQ3-40A	Russia	X	Question not administered or data not available.
SQ3-40A	Slovenia	X	Question not administered or data not available.
SQ3-40A	South Africa	X	Question not administered or data not available.
SQ3-40A	Sweden	X	Question not administered or data not available.
SQ3-40A	Switzerland	D	Option 1 = maturitatsschule seminar; Option 2 = teacher training 2-4 years. [Only included for students in German and French cantons]
SQ3-40A	United States	X	Question not administered or data not available.

SQ3-CS1**Question:**

Did you use a calculator in answering any of the questions in this booklet (Yes/No)?

[Filter question for follow-up questions (CS2,3,4).]

Variable name(s): CSBGCAL1

Item ID	Country	Code	Comment
SQ3-CS1	All		Data considered internationally comparable for reporting.

SQ3-CS2**Question:**

What type of calculator did you use?

International response options:

- 1 = simple - basic functions
- 2 = scientific
- 3 = programmable
- 4 = graphic

[Coded as 'Not Applicable' if responded No to filter question regarding calculator use (CSBGCAL1 = 2).]

Variable name(s): CSBGCAL2

Item ID	Country	Code	Comment
SQ3-CS2	All		Data considered internationally comparable for reporting.

SQ3-CS3**Question:**

In doing the questions how much do you estimate you used the calculator?

International response options:

- 1 = very little (for fewer than 5 questions)
- 2 = somewhat (for between 5 and 10 questions)
- 3 = quite a lot (for more than 10 questions)

[Coded as 'Not Applicable' if responded No to filter question regarding calculator use (CSBGCAL1 = 2).]

Variable name(s): CSBGCAL3

Item ID	Country	Code	Comment
SQ3-CS3	All		Data considered internationally comparable for reporting.

SQ3-CS4**Question:**

The brand name and model of the calculator I used is:

[Format: Open-ended; no documentation of calculator brand options available. Coded as 'Not Applicable' if responded No to filter question regarding calculator use (CSBGCAL1 = 2).]

Variable name(s): CSBGCAL4

Item ID	Country	Code	Comment
SQ3-CS4	Czech Republic	X	Question not administered or data not available.
SQ3-CS4	Denmark	X	Question not administered or data not available.
SQ3-CS4	France	X	Question not administered or data not available.
SQ3-CS4	Germany	X	Question not administered or data not available.
SQ3-CS4	Iceland	X	Question not administered or data not available.
SQ3-CS4	Netherlands	X	Question not administered or data not available.
SQ3-CS4	Norway	X	Question not administered or data not available.

Section 2

SCQ3-1

Question:

In what type of community is your school located?

International response options:

1 = A geographically isolated area

2 = Village or rural (farm) area

3 = On the outskirts of a town/city

4 = Close to the center of a town/city

Variable name(s): CCBGCOMM

Item ID	Country	Code	Comment
SCQ3-1	Australia	D	Modified options recoded to international categories: 1 = 'Small Isolated Community'; 2 = 'Small Rural Centre' or 'Small Country Town'; 3 = 'Semi-Rural/Outer Metropolitan or Suburban Area'; 4 = 'Country/Provincial Town or Inner Suburban Area'.
SCQ3-1	Netherlands	X	School questionnaire not administered.

SCQ3-2

Question:

Which of the following grade levels are found in your school?

A: pre-kindergarten

B: kindergarten

C: grade 1

:

O: grade 13

Variable name(s): CCBGGRPK,CCBGGRK,CCBGGR1 - CCBGGR13

Item ID	Country	Code	Comment
SCQ3-2A	Australia	X	Grade option not included: Pre-kindergarten.
SCQ3-2A-J	Austria	X	Grade options not included: Pre-kindergarten, kindergarten, and grade 1 through grade 8.
SCQ3-2O	Canada	D	Grade 13 or higher in English version; CPO (CEGEP au Quebec) in French version.
SCQ3-2L	Czech Republic	D	Grade 1 secondary school.
SCQ3-2M	Czech Republic	D	Grade 2 secondary school.
SCQ3-2N	Czech Republic	D	Grade 3 secondary school.
SCQ3-2O	Czech Republic	D	Grade 4 secondary school.
SCQ3-2L,M,N	Denmark	D	Not asked of schools. 100% YES data obtained from the ministry.
SCQ3-2O	France	D	CPGE/BTS (post secondary classes).
SCQ3-2A,B	Germany	X	Grade options not included: Pre-kindergarten and kindergarten.
SCQ3-2C-O	Germany	D	Data included only for gymnasia and comprehensive schools (GS,IGS); question not administered in vocational/technical version (FG,FOS,BFS,BS).
SCQ3-2A-K, O	Greece	X	Grade options not included: pre-kindergarten, kindergarten, grades 1-9, and grade 13.
SCQ3-2L	Greece	D	Grade 10 = First year of Lyceum.
SCQ3-2M	Greece	D	Grade 11 = Second year of Lyceum.
SCQ3-2N	Greece	D	Grade 12 = Third year of Lyceum.
SCQ3-2A	Hungary	X	Grade option not included: Pre-kindergarten.
SCQ3-2A-K	Iceland	X	Grade options not included: Pre-kindergarten, kindergarten, and grade 1 through grade 9.
SCQ3-2A-J	Italy	X	Grade options not included: Pre-kindergarten, kindergarten, and grade 1 through grade 8.
SCQ3-2A,B,O	Lithuania	X	Grade options not included: Pre-kindergarten, kindergarten, and grade 13.
SCQ3-2A-O	Netherlands	X	School questionnaire not administered.
SCQ3-2A,O	New Zealand	X	Grade options not included: Pre-kindergarten and Grade 13.
SCQ3-2B	New Zealand	D	New Entrant's year (year 1 of formal schooling for 5 year-olds).
SCQ3-2C	New Zealand	D	Grade 1 = J1/J2 (year 2 of formal schooling).
SCQ3-2D	New Zealand	D	Grade 2 = J3/Standard 1 (year 3 of formal schooling).
SCQ3-2E	New Zealand	D	Grade 3 = Standard 2 (year 4 of formal schooling).
SCQ3-2F	New Zealand	D	Grade 4 = Standard 3 (year 5 of formal schooling).
SCQ3-2G	New Zealand	D	Grade 5 = Standard 4 (year 6 of formal schooling).

SCQ3-2H	New Zealand	D	Grade 6 = Form 1 (year 7 of formal schooling).
SCQ3-2I	New Zealand	D	Grade 7 = Form 2 (year 8 of formal schooling).
SCQ3-2J	New Zealand	D	Grade 8 = Form 3 (year 9 of formal schooling).
SCQ3-2K	New Zealand	D	Grade 9 = Form 4 (year 10 of formal schooling).
SCQ3-2L	New Zealand	D	Grade 10 = Form 5 (year 11 of formal schooling).
SCQ3-2M	New Zealand	D	Grade 11 = Form 6 (year 12 of formal schooling).
SCQ3-2N	New Zealand	D	Grade 12 = Form 7 (year 13 of formal schooling).
SCQ3-2A-O	Norway	X	Question not administered or data not internationally comparable.
SCQ3-2O	Slovenia	D	Grade option not included: grade 13.
SCQ3-2A,O	Sweden	X	Grade options not included: Pre-kindergarten and grade 13.
SCQ3-2A,B	Switzerland	X	Grade options not included: prekindergarten and kindergarten.
SCQ3-2O	United States	X	Grade option not included: Grade 13.

SCQ3-3

Question:

How many of the following are on the staff of your school (in FTE- full time equivalents)?

International options:

- A: principals
- B: assistant principals
- C: department heads
- D: classroom teachers
- E: teacher aides

(Some countries omitted options not appropriate in their schools.)

Variable name(s): CCBGFTE1 - CCBGFTE5

Item ID	Country	Code	Comment
SCQ3-3B	Denmark	D	Inspectors
SCQ3-3C	Denmark	D	Data obtained from the ministry; no department heads.
SCQ3-3E	Denmark	D	Technical and administrative staff
SCQ3-3C	Greece	X	School staff option not included: Department heads.
SCQ3-3C	Hungary	X	School staff option not included: Department heads.
SCQ3-3C	Italy	X	School staff option not included: Department heads.
SCQ3-3A-E	Netherlands	X	School questionnaire not administered.
SCQ3-3B,C	New Zealand	D	Data for Assistant/Deputy Principals and Department Heads reflect only the time spent on management tasks.
SCQ3-3D	New Zealand	D	Data include teaching time for Assistant/Deputy Principals and Department Heads.
SCQ3-3C	Norway	X	School staff option not included: Department heads.
SCQ3-3E	Sweden	X	School staff option not included: Teacher aides.
SCQ3-3E	Switzerland	X	School staff option not included: Teacher aides.

SCQ3-4

Question:

A: How many individual full-time teachers are there in your school?

B: How many individual part-time teachers are there in your school?

Variable name(s): CCBGFTTE, CCBGPTTE

Item ID	Country	Code	Comment
SCQ3-4A,B	Netherlands	X	School questionnaire not administered.

SCQ3-5

Question:

What percentage of the teachers have been at your school for 5 or more years?

Variable name(s): CCBGTE5Y

Item ID	Country	Code	Comment
SCQ3-5	Netherlands	X	School questionnaire not administered.

SCQ3-6

Question:

How many of the teachers in your school teach <the most advanced mathematics>?

Variable name(s): CCBMNTEA

Item ID	Country	Code	Comment
SCQ3-6	Austria	X	Question not administered or data not internationally comparable.
SCQ3-6	Czech Republic	D	Data included only for gymnasia. Question not administered for vocational schools; no advanced mathematics taught (e.g., in special mathematics classes, in seminars for talented students etc.).
SCQ3-6	France	X	Question not administered or data not internationally comparable.
SCQ3-6	Germany	X	Question not administered or data not internationally comparable.
SCQ3-6	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-6	Italy	D	Translated <most advanced mathematics> as 'mathematics'. No specification of 'most advanced'.
SCQ3-6	Netherlands	X	School questionnaire not administered.
SCQ3-6	New Zealand	D	Translated <most advanced mathematics> as 'Bursary math with calculus' or 'Bursary math with statistics'. ('Bursary' = University Preparatory Level Course).
SCQ3-6	Norway	D	Translated <most advanced mathematics> as 'third-year academic course (3MN)'. (Answered only by schools with academic tracks.)
SCQ3-6	Slovenia	D	Translated <most advanced mathematics> as 'mathematics'. No specification of 'most advanced'.
SCQ3-6	South Africa	D	Translated <most advanced mathematics> as 'Mathematics Higher Grade for the Senior Secondary Phase'.
SCQ3-6	Sweden	D	Translated <most advanced mathematics> as 'Mathematics in the NT/ NV line'.
SCQ3-6	Switzerland	D	Translated <most advanced mathematics> as 'Final classes'. French and German version asked for percentage instead of number; recomputed: number of teachers = percent times total teachers (3d).
SCQ3-6	United States	D	Translated <most advanced mathematics> as 'AP (Advanced Placement) Calculus'.

SCQ3-7

Question:

What percentage of <the most advanced mathematics> teachers are assigned...

A: all of their teaching load in mathematics

B: at least half but not all of their teaching load in mathematics

C: less than half of their teaching load in mathematics

Variable name(s): CCBMPTE1,CCBMPTE2,CCBMPTE3

Item ID	Country	Code	Comment
SCQ3-7A-C	Austria	X	Question not administered or data not internationally comparable.
SCQ3-7A-C	Czech Republic	D	Data included only for gymnasia. Question not administered for vocational schools; no advanced mathematics taught (e.g., in special mathematics classes, in seminars for talented students etc.)
SCQ3-7A-C	France	X	Question not administered or data not internationally comparable.
SCQ3-7A-C	Germany	X	Question not administered or data not internationally comparable.
SCQ3-7A-C	Iceland	D	Translated <most advanced mathematics> as 'Mathematics'. No specification of 'most advanced'.
SCQ3-7A-C	Italy	X	Question not administered or data not internationally comparable.
SCQ3-7	Netherlands	X	School questionnaire not administered.
SCQ3-7A-C	New Zealand	D	Translated <most advanced mathematics> as 'Bursary math with calculus' or 'Bursary math with statistics'. ('Bursary' = University Preparatory Level Course).
SCQ3-7A-C	Norway	D	Translated <most advanced mathematics> as 'third-year academic course (3MN)'. (Answered only by schools with academic tracks.)
SCQ3-7A-C	Slovenia	D	Translated <most advanced mathematics> as 'mathematics'. No specification of 'most advanced'.
SCQ3-7A-C	South Africa	D	Translated <most advanced mathematics> as 'Mathematics Higher Grade for the Senior Secondary Phase'.
SCQ3-7A-C	Sweden	D	Translated <most advanced mathematics> as 'Mathematics in the NT/ NV line'.
SCQ3-7A-C	United States	D	Translated <most advanced mathematics> as 'AP (Advanced Placement) Calculus'.

SCQ3-8

Question:

How many of the teachers in your school teach <the most advanced physics>?

Variable name(s): CCBPNTEA

Item ID	Country	Code	Comment
SCQ3-8	Austria	X	Question not administered or data not internationally comparable.
SCQ3-8	Czech Republic	D	Data included only for gymnasia. Question not administered for vocational schools; no advanced physics taught (e.g., in special physics classes, in seminars for talented students etc.)
SCQ3-8	France	X	Question not administered or data not internationally comparable.
SCQ3-8	Germany	X	Question not administered or data not internationally comparable.
SCQ3-8	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-8	Italy	D	Translated <most advanced physics> as 'physics'. No specification of 'most advanced'.
SCQ3-8	Netherlands	X	School questionnaire not administered.
SCQ3-8	New Zealand	D	Translated <most advanced physics> as 'Bursary physics'. ('Bursary' = University Preparatory Level Course).
SCQ3-8	Norway	D	Translated <most advanced physics> as 'third-year academic course (3FY)'. (Answered only by schools with academic tracks.)
SCQ3-8	Slovenia	D	Translated <most advanced physics> as 'physics'. No specification of 'most advanced'.
SCQ3-8	South Africa	D	Translated <most advanced physics> as 'Physical Science Higher Grade for the Senior Secondary Phase'.
SCQ3-8	Sweden	D	Translated <most advanced physics> as 'Physics in the NT/NV line'.
SCQ3-8	Switzerland	D	Translated <most advanced physics> as 'Final classes'. French and German version asked for percentage instead of number. Recomputed: number of teachers = percent times total teachers (3d).
SCQ3-8	United States	D	Translated <most advanced physics> as 'AP (Advanced Placement) Physics'.

SCQ3-9

Question:

What percentage of <the most advanced physics> teachers are assigned...

A: all of their teaching load in physics

B: at least half but not all of their teaching load in physics

C: less than half of their teaching load in physics

Variable name(s): CCBPTE1,CCBPTE2,CCBPTE3

Item ID	Country	Code	Comment
SCQ3-9A-C	Austria	X	Question not administered or data not internationally comparable.
SCQ3-9A-C	Czech Republic	D	Data included only for gymnasia. Question not administered for vocational schools; no advanced physics taught (e.g., in special physics classes, in seminars for talented students etc.).
SCQ3-9A-C	France	X	Question not administered or data not internationally comparable.
SCQ3-9A-C	Germany	X	Question not administered or data not internationally comparable.
SCQ3-9A-C	Iceland	D	Asked 'Physics' as <most advanced physics>. No specification of 'most advanced'.
SCQ3-9A-C	Italy	X	Question not administered or data not internationally comparable.
SCQ3-9	Netherlands	X	School questionnaire not administered.
SCQ3-9A-C	New Zealand	D	Translated <most advanced physics> as 'Bursary physics'. ('Bursary' = University Preparatory Level Course).
SCQ3-9A-C	Norway	D	Translated <most advanced physics> as 'third-year academic course (3FY)'. (Answered only by schools with academic tracks.)
SCQ3-9A-C	Slovenia	D	Translated <most advanced physics> as 'physics'. No specification of 'most advanced'.
SCQ3-9A-C	South Africa	D	Translated <most advanced physics> as 'Physical Science Higher Grade for the Senior Secondary Phase'.
SCQ3-9A-C	Sweden	D	Translated <most advanced physics> as 'Physics in the NT/NV line'.
SCQ3-9A-C	United States	D	Translated <most advanced physics> as 'AP (Advanced Placement) Physics'.

SCQ3-10

Question:

What percentage of <Target Grade> mathematics teachers have university level certification in mathematics?

Variable name(s): CCBMTEAU

Item ID	Country	Code	Comment
SCQ3-10	Canada	D	Translated <target grade> as CEGEP in Quebec; OAC in Ontario; and grade 12 elsewhere.
SCQ3-10	Denmark	D	Data obtained from ministry
SCQ3-10	France	X	Question not administered or data not internationally comparable.
SCQ3-10	Germany	X	Question not administered or data not internationally comparable.
SCQ3-10	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-10	Netherlands	X	School questionnaire not administered.
SCQ3-10	New Zealand	D	Translated <target grade> as Form 6 (grade 11) or Form 7 (grade 12). [Grades 11 and 12 reflect 12 and 13 years of formal schooling, respectively, beginning with New Entrant's Year.]

SCQ3-11 Question:
What percentage of <Target Grade> mathematics teachers have university level certification in a science subject?

Variable name(s): CCBSTEAU

Item ID	Country	Code	Comment
SCQ3-11	Canada	D	Translated <target grade> as CEGEP in Quebec; OAC in Ontario; and grade 12 elsewhere.
SCQ3-11	Denmark	D	Data obtained from ministry
SCQ3-11	France	X	Question not administered or data not internationally comparable.
SCQ3-11	Germany	X	Question not administered or data not internationally comparable.
SCQ3-11	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-11	Netherlands	X	School questionnaire not administered.
SCQ3-11	New Zealand	D	Translated <target grade> as Form 6 (grade 11) or Form 7 (grade 12). [Grades 11 and 12 reflect 12 and 13 years of formal schooling, respectively, beginning with New Entrant's Year.]

SCQ3-12 Question:
Is your school's capacity to provide instruction affected by a shortage or inadequacy of any of the following?
A: availability of suitably qualified mathematics teachers
B: availability of suitably qualified physics teachers
C: instructional materials
:
S: audio-visual resources for science instruction

Variable name(s): CCBMST01,CCBSST02, CCBGST03,CCBGST04,CCBGST05, CCBGST06,CCBGST07,CCBGST08, CCBMST09,CCBMST10,CCBMST11,CCBMST12,CCBMST13,CCBSST14, CCBSST15,CCBSST16, CCBSSST17, CCBSSST18,CCBSST19

Item ID	Country	Code	Comment
SCQ3-12A-S	Austria	D	Option 5 (Not applicable) not included.
SCQ3-12A-S	Hungary	D	Option 5 (Not applicable) translated as 'No Problem'.
SCQ3-12A	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-12A-S	Netherlands	X	School questionnaire not administered.
SCQ3-12A-S	Norway	D	Option 5 (Not applicable) not included.
SCQ3-12R,S	Slovenia	X	Question not administered or data not internationally comparable.
SCQ3-12A-S	South Africa	D	Option 5 (Not applicable) not included in Afrikaans version of questionnaire.

SCQ3-13

Question:

As principal of this school, about how many hours per month do you usually spend on each of the following activities?

- A: representing the school in the community
- B: representing the school at official meetings
- C: internal administrative tasks
- :
- N: other activities

Variable name(s): CCBGAC01 - CCBGAC14

Item ID	Country	Code	Comment
SCQ3-13J	Australia	D	Responding to requests from regional or state education officials.
SCQ3-13J	Canada	D	Responding to requests from district or provincial education officials.
SCQ3-13J	Czech Republic	D	Responding to requests from education officials.
SCQ3-13F	Denmark	D	Discussing educational topics.
SCQ3-13I	Denmark	D	Guidance and counseling of students.
SCQ3-13D,E,G	Italy	X	Question not administered or data not internationally comparable.
SCQ3-13A-N	Netherlands	X	School questionnaire not administered.
SCQ3-13J	New Zealand	D	Responding to requests from local management centers or national education officials.
SCQ3-13J	South Africa	D	Responding to requests from 'provincial or national education officials'.
SCQ3-13N	Switzerland	D	Combines data for three national options: sum of hours reported for 'visiting classes', 'school meetings', and 'other activities'.

SCQ3-14

Question:

In your school, who has primary responsibility for each of the following activities?

A: hiring teachers

B: establishing disciplinary policies

C: establishing student grading policies

:

N: deciding which courses are offered

International response options:

1 = not a school responsibility

2 = <school's governing board>

3 = principal

4 = <department head>

5 = teachers

(Some countries modified or omitted response options in accordance with their national systems.)

Variable name(s): CCBGRP01- CCBGRP14

Item ID	Country	Code	Comment
SCQ3-14A-N	Australia	D	Option 2 = school council.
SCQ3-14J	Austria	X	Question not administered or data not internationally comparable.
SCQ3-14A-N	Denmark	D	Option 4 (Department head) not included.
SCQ3-14A-N	France	D	Option 2 (School's governing board) and Option 4 (Department head) not included.
SCQ3-14A-N	Germany	D	Option 3 (Principal) not included; Option 5 = Teacher conference.
SCQ3-14A-N	Greece	D	Option 2 = School Teachers Assembly; Option 4 (Department head) not included.
SCQ3-14A-N	Hungary	D	Option 4 (Department head) translated as 'Leader of teachers in the same subject group'.
SCQ3-14A-N	Iceland	D	Option 4 (Department head) combines two national options for 'Department head' and 'Others within the school' (e.g., assistant principal).
SCQ3-14A-N	Israel	D	Option 2 = Parents' Committee and Public Representatives. Option 4 = Coordinator for grade level.
SCQ3-14A-N	Italy	D	Option 4 (Department head) not included.
SCQ3-14A-N	Latvia	D	Option 4 = Assistant Principal.
SCQ3-14A-N	Netherlands	X	School questionnaire not administered.
SCQ3-14A-N	New Zealand	D	Option 2 = Board of Trustees.
SCQ3-14A-N	Norway	X	Question not administered or data not internationally comparable.
SCQ3-14A-N	Switzerland	D	Option 5 combines two national options: 'Teachers' Conference' and 'Individual Teachers'.

SCQ3-15

Question:

How much influence do each of the following have in determining the curriculum that is taught in your school?

International options:

- A: <National Curriculum Council>
- B: <National Subject Association>
- C: <Educational region or district>
- D: <School governing board>
- E: Principal/head of school
- :
- O: Teacher unions

(Some countries modified or omitted options in accordance with their national systems.)

Variable name(s): CCBGIF01- CCBGIF15

Item ID	Country	Code	Comment
SCQ3-15A	Australia	D	Curriculum Corporation (no National Curriculum Council/Board exists).
SCQ3-15B	Australia	D	National or State Subject Association.
SCQ3-15C	Australia	D	State Education Department.
SCQ3-15D	Australia	D	School Council.
SCQ3-15A	Canada	X	Question not administered; no National Curriculum Council.
SCQ3-15B	Canada	D	Provincial Subject Association.
SCQ3-15C	Canada	D	Provincial ministry of education.
SCQ3-15D	Canada	D	School district.
SCQ3-15B	Cyprus	X	Question not administered or data not internationally comparable.
SCQ3-15C	Cyprus	X	Question not administered or data not internationally comparable.
SCQ3-15D	Cyprus	X	Question not administered or data not internationally comparable.
SCQ3-15A	Czech Republic	D	Department for Secondary School at the Ministry of Education.
SCQ3-15B	Czech Republic	D	National subject association connected to the Research Institute for Education.
SCQ3-15C	Czech Republic	D	Educational district.
SCQ3-15A	Denmark	D	Ministry of Education.
SCQ3-15B	Denmark	D	Data obtained from ministry.
SCQ3-15C	Denmark	D	County council.
SCQ3-15D	Germany	X	Question not administered; no school governing board.
SCQ3-15A	Greece	D	Includes Ministry of Education.
SCQ3-15G	Hungary	D	Translated as 'Leader of teachers in the same subject group'.
SCQ3-15D	Israel	D	Includes Parents' Committee and Public Representatives.
SCQ3-15A	Latvia	D	Ministry of Education.
SCQ3-15C	Latvia	D	School district.
SCQ3-15A-O	Netherlands	X	School questionnaire not administered.
SCQ3-15A	New Zealand	D	Ministry of Education.
SCQ3-15B	New Zealand	D	National mathematics or science teachers' association.
SCQ3-15C	New Zealand	D	Local management centers.
SCQ3-15D	New Zealand	D	Board of trustees.

SCQ3-15A-O	Norway	X	Question not administered or data not internationally comparable.
SCQ3-15C	Switzerland	D	Cantonal educational board.
SCQ3-15A	United States	X	Question not administered; no National Curriculum Council.
SCQ3-15B	United States	D	Combines responses to two questions: National Council of Teachers of Mathematics (NCTM) Professional Standards for Teaching Mathematics and American Association for the Advancement of Science (AAAS) Benchmarks for Science Literacy.
SCQ3-15C	United States	D	State or District Education Board.

SCQ3-16

Question:

Does your school have its own written statement of the curriculum content to be taught (i.e., other than the national or regional curriculum guides)?

A: For mathematics

B: For science

Variable name(s): CCBMCURR,CCBSCURR

Item ID	Country	Code	Comment
SCQ3-16A,B	Austria	D	Question asked, but ministry reports that the national curriculum is compulsory in all schools. Presence of school curriculum statement pertains to experimental programs within the school.
SCQ3-16A,B	Denmark	X	Question not applicable; ministry reports that all schools follow the national curriculum.
SCQ3-16A,B	France	X	Question not administered or data not internationally comparable.
SCQ3-16A,B	Netherlands	X	School questionnaire not administered.
SCQ3-16A,B	Norway	X	Question not administered or data not internationally comparable.
SCQ3-16B	South Africa	D	Translated 'science' as 'natural sciences'.

SCQ3-17

Question:

A: How often does school administration or staff have to deal with the following behaviors among students?

B: To what extent do these behaviors present a problem in your school?

A: arriving late at school

B: absenteeism

C: skipping class

:

R: inappropriate sexual behavior

[Question is made up of two parts: part 1 (17AA, 17BA...17RA) asks the frequency of occurrence; part 2 (17AB, 17BB...17RB) asks the severity of problem in the school.]

Variable name(s): Part 1 (17AA - 17RA): CCBGUO01 - CCBGUO18

Part 2 (17AB - 17RB): CCBGUS01 - CCBGUS18

Item ID	Country	Code	Comment
SCQ3-17QA,QB	Australia	X	Question not administered.
SCQ3-17RA,RB	Australia	X	Question not administered.
SCQ3-17RA,RB	Germany	D	Data included only for gymnasia and comprehensive schools (GS,IGS); question not administered in vocational/technical version (FG,FOS,BFS,BS).
SCQ3-17AA-RA	Iceland	D	Option 1 (Rarely) combines national options for 'Rarely' and 'Not applicable'.
SCQ3-17DA,DB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17GA,GB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17MA,MB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17OA,OB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17PA,PB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17RA,RB	Italy	X	Question not administered or data not internationally comparable.
SCQ3-17AA-RB	Netherlands	X	School questionnaire not administered.
SCQ3-17DA,DB	Norway	X	Question not administered or data not internationally comparable.
SCQ3-17RA,RB	Norway	X	Question not administered or data not internationally comparable.
SCQ3-17RA,RB	Sweden	X	Question not administered or data not internationally comparable.

SCQ3-18

Question:

How important are each of the following factors in deciding which <Program/Track><Target-Grade> students follow?

- A: academic performance
- B: performance on a standardized test
- C: performance on an entrance examination
- D: performance on an oral examination
- E: teacher recommendations
- F: parent wishes
- G: the student's own wishes
- H: curricular requirements

Variable name(s): CCBGUFC1- CCBGUFC8.

Item ID	Country	Code	Comment
SCQ3-18A-H	Austria	X	Question not administered or data not internationally comparable.
SCQ3-18A	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-18B	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-18C	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-18D	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-18A-H	Germany	D	Data included only for gymnasia and comprehensive schools (GS,IGS); question not administered in vocational/technical version (FG,FOS,BFS,BS).
SCQ3-18A-H	Italy	X	Question not administered or data not internationally comparable.
SCQ3-18A-H	Netherlands	X	School questionnaire not administered.
SCQ3-18A-H	New Zealand	X	Question not administered or data not internationally comparable.
SCQ3-18A-H	Norway	X	Question not administered or data not internationally comparable.

SCQ3-19

Question:

The students in your school:

- A: Total enrollment (A1=boys; A2=girls)
- B: Percent of students who are absent on a typical school day
- C: Percent of students who finished the whole school year
- D: Percent of students who transferred to your school after the beginning of the school year

Variable name(s): CCBGBENR,CCBGGENR,CCBGABST,CCBGENDY,CCBGTNSF

Item ID	Country	Code	Comment
SCQ3-19C	Austria	D	Modified: Asked for 'Percent leaving during the school year'. Recomputed to international version (100 - X).
SCQ3-19D	Denmark	D	Data obtained from the ministry.
SCQ3-19A-D	Germany	D	Data included only for gymnasia and comprehensive schools (GS,IGS); question not administered in vocational/technical version (FG,FOS,BFS,BS).
SCQ3-19C	Germany	D	Modified: Asked for 'Percent leaving school during school year'. Recomputed to international version (100-X).
SCQ3-191-D	Netherlands	X	School questionnaire not administered.

SCQ3-20

Question:

Which of the following <programs/tracks/course combinations> are available to <Target Grade> students in your school (Yes/No)?

A: <Program/Track> #1

B: <Program/Track> #2

C: <Program/Track> #3

D: <Program/Track> #4

E: <Program/Track> #5

F: <Program/Track> #6

[Up to six country-specific <program/track> options included for each country. Used as filters for follow-up questions (21,22,23). Data may be obtained from school or from tracking information.]

Variable name(s): CCBGCOM1 - CCBGCOM6

Item ID	Country	Code	Comment
SCQ3-20A	Australia	D	Full academic course, preparing students for university entry.
SCQ3-20B	Australia	D	General course, not university-oriented.
SCQ3-20C	Australia	D	Course(s) in specific area(s), e.g., business studies.
SCQ3-20D	Australia	D	School-industry link/bridging program.
SCQ3-20E,F	Australia	X	Not included; no tracks 5,6.
SCQ3-20A-D	Austria	D	Data obtained from IDSTRAT for four program/track options.
SCQ3-20A	Austria	D	Academic (AHS).
SCQ3-20B	Austria	D	Higher technical/vocational (BHS).
SCQ3-20C	Austria	D	Intermediate vocational/technical school (BMS).
SCQ3-20D	Austria	D	Apprenticeship Program (BS).
SCQ3-20E,F	Austria	X	Not included; no tracks 5,6.
SCQ3-20A	Canada	D	General university/college preparation program.
SCQ3-20B	Canada	D	University/college preparation program with specialization in mathematics.
SCQ3-20C	Canada	D	University/college preparation program with specialization in science.
SCQ3-20D	Canada	D	University/college preparation program with specialization in mathematics and science.
SCQ3-20E	Canada	D	Trade/technical school preparation program.
SCQ3-20F	Canada	D	Other graduation program.
SCQ3-20A	Cyprus	D	Academic track at Lyceum - Classical program.
SCQ3-20B	Cyprus	D	Academic track at Lyceum - Math/science program.
SCQ3-20C	Cyprus	D	Academic track at Lyceum - Economics program.
SCQ3-20D	Cyprus	D	Academic track at Lyceum - Commercial/secretarial program.
SCQ3-20E	Cyprus	D	Academic track at Lyceum - Foreign language program.
SCQ3-20F	Cyprus	D	Technical/Vocational schools.
SCQ3-20A-F	Czech Republic	D	Track definitions different in Gymnasia (G) and Vocational (V) versions. Contains combined data for G and V schools. IDSTRAT may be used to filter data: IDSTRAT = 11,21, or 31 are for V schools; IDSTRAT = 14,24, or 34 are for G schools.
SCQ3-20A	Czech Republic	D	G version: Gymnasia class oriented on mathematics; V version: Secondary technical school.

SCQ3-20B	Czech Republic	D	G version: Gymnasia class oriented on mathematics and physics. V version: Secondary business school.
SCQ3-20C	Czech Republic	D	G version: Gymnasia class oriented on natural sciences. V version: Other secondary school with 'maturita'.
SCQ3-20D	Czech Republic	D	G version: Gymnasia class oriented on computer science and programming. V version: Secondary school without 'maturita'.
SCQ3-20E	Czech Republic	D	G version: Gymnasia general class; V version: Vocational training center with 'maturita'.
SCQ3-20F	Czech Republic	D	G version: Gymnasia class oriented on humanities. V version: Vocational training center without 'maturita'.
SCQ3-20A-F	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-20A-F	France	X	Question not administered or data not internationally comparable.
SCQ3-20A-C	Germany	D	Data obtained from tracking information for three program/track options.
SCQ3-20A	Germany	D	Academic tracks including gymnasia (GS) and comprehensive schools (IGS).
SCQ3-20B	Germany	D	Technical tracks including higher technical/professional (FG) and applied science (FOS).
SCQ3-20C	Germany	D	Vocational tracks including full-time vocational (BFS) and apprenticeship (BS).
SCQ3-20D,E,F	Germany	X	Not included; no tracks 4,5,6.
SCQ3-20A	Greece	D	Academic specialist track: math, science and technology.
SCQ3-20B	Greece	D	Academic specialist track: medical, dentistry, pharmacy, and veterinary science.
SCQ3-20C	Greece	D	Academic specialist track: archeology, literature, law, etc.
SCQ3-20D	Greece	D	Academic specialist track: social and economic sciences.
SCQ3-20E,F	Greece	X	Not included; no tracks 5,6.
SCQ3-20A-F	Hungary	X	Question not administered or data not internationally comparable.
SCQ3-20A-F	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-20A	Israel	D	Advanced courses in mathematics, physics, chemistry. (Academic program resulting in matriculation certificate.)
SCQ3-20B	Israel	D	Advanced courses in biology. (Academic program resulting in matriculation certificate.)
SCQ3-20C	Israel	D	Advanced courses in computer, technology, agriculture. (Academic program resulting in matriculation certificate.)
SCQ3-20D	Israel	D	Advanced courses in social studies (history, sociology, geography, economics, communication). (Academic program resulting in matriculation certificate.)
SCQ3-20E	Israel	D	Advanced courses in literature, Bible, arts, education. (Academic program resulting in matriculation certificate.)
SCQ3-20F	Israel	D	Other programs of study (including all vocational tracks/programs).
SCQ3-20A-E	Italy	D	Data obtained from IDSTRAT for five program/track options.
SCQ3-20A	Italy	D	Classical Schools (classics, languages, teaching programs).
SCQ3-20B	Italy	D	Classical Schools (science programs).
SCQ3-20C	Italy	D	Art Schools.
SCQ3-20D	Italy	D	Vocational Schools.
SCQ3-20E	Italy	D	Technical Schools.
SCQ3-20F	Italy	X	Not included; no track 6.
SCQ3-20A	Latvia	D	Academic program in advanced mathematics.

SCQ3-20B	Latvia	D	Academic program in general physics.
SCQ3-20C	Latvia	D	Academic program in advanced physics.
SCQ3-20D	Latvia	D	Academic program in chemistry.
SCQ3-20E	Latvia	D	Academic program in biology.
SCQ3-20F	Latvia	D	Academic program in geography.
SCQ3-20A	Lithuania	D	No English translation available (Pagrindinis B lygis).
SCQ3-20B	Lithuania	D	No English translation available (Aukštesnysis A lygis).
SCQ3-20C	Lithuania	D	No English translation available (Sustiprintas matematikos mokymas).
SCQ3-20D	Lithuania	D	No English translation available (Papildomos matematikos mokymo formos).
SCQ3-20E,F	Lithuania	X	Not included; no tracks 5,6.
SCQ3-20A-F	Netherlands	X	School questionnaire not administered.
SCQ3-20A-F	New Zealand	X	Question not administered; no formal program/track options in schools.
SCQ3-20A	Norway	D	Academic (AF); general program with math/science options.
SCQ3-20B	Norway	D	Vocational (HK); trade/office.
SCQ3-20C	Norway	D	Vocational (HI); craft/industry.
SCQ3-20D	Norway	D	Vocational (HS); health science/social education.
SCQ3-20E	Norway	D	Vocational (HH); domestic.
SCQ3-20F	Norway	D	Other programs.
SCQ3-20A	Russia	D	General secondary education program.
SCQ3-20B	Russia	D	Academic program in advanced math and/or physics.
SCQ3-20C	Russia	D	Academic program with advanced study in one or more sciences (geology, physics, chemistry, geography).
SCQ3-20D	Russia	D	Academic program with advanced study in one or more humanities (literature, history, social science).
SCQ3-20E	Russia	D	Academic program with advanced study in languages.
SCQ3-20F	Russia	D	Other programs.
SCQ3-20A	Slovenia	D	Gymnasia (Matura program).
SCQ3-20B	Slovenia	D	4-5 year technical/professional program.
SCQ3-20C	Slovenia	D	4-year vocational program.
SCQ3-20D	Slovenia	D	3-year vocational program.
SCQ3-20E	Slovenia	D	2-year vocational program.
SCQ3-20F	Slovenia	X	Not included; no track 6.
SCQ3-20A	South Africa	D	Mathematics and Physical Science both on Higher Grade.
SCQ3-20B	South Africa	D	Physical Science on Higher Grade and Mathematics on Standard Grade.
SCQ3-20C	South Africa	D	Mathematics on Higher Grade and Physical Science on Standard Grade.
SCQ3-20D	South Africa	D	Mathematics on Higher Grade without taking Physical Science.
SCQ3-20E	South Africa	D	Mathematics and/or Physical Science at Standard Grade or Functional grade.
SCQ3-20F	South Africa	D	Humanities (no Mathematics or Physical Sciences).
SCQ3-20A	Sweden	D	Academic programs (NT/ NV) - math & physics specialization.
SCQ3-20B	Sweden	D	Academic programs (SP/SE) - social science & economics specialization.

SCQ3-20C	Sweden	D	Academic program (SP/H) - humanities specialization.
SCQ3-20D	Sweden	D	2-year programs or 3-year vocational programs.
SCQ3-20E,F	Sweden	X	Not included; no tracks 5,6.
SCQ3-20A-F	Switzerland	X	Question not administered or data not internationally comparable.
SCQ3-20A-F	United States	X	Question not administered or data not internationally comparable.

SCQ3-21

Question:

If the graduation requirement is the same for <target grade> students in every <Program/Track>, check the box and respond only to questions for <program/track> #1.

[Filter question for SCQ3-21A-H, used to copy data in track #1 variables (21A1-H1) into the corresponding applicable track #2-6 variables.]

Variable name(s): CCBGPRGM

Item ID	Country	Code	Comment
SCQ3-21	Australia	X	Filter question not administered.
SCQ3-21	Austria	X	Filter Question not administered.
SCQ3-21	Denmark	X	Filter question not administered.
SCQ3-21	France	X	Filter question not administered.
SCQ3-21	Germany	X	Filter question not administered.
SCQ3-21	Greece	X	Filter question not administered.
SCQ3-21	Hungary	X	Filter question not administered.
SCQ3-21	Iceland	X	Filter question not administered.
SCQ3-21	Italy	X	Filter question not administered.
SCQ3-21	Latvia	X	Filter question not administered.
SCQ3-21	Lithuania	X	Filter question not administered.
SCQ3-21	Netherlands	X	School questionnaire not administered.
SCQ3-21	New Zealand	X	Filter question not administered.
SCQ3-21	Norway	X	Filter question not administered.
SCQ3-21	Slovenia	X	Filter question not administered.
SCQ3-21	Sweden	X	Filter question not administered.
SCQ3-21	Switzerland	X	Filter question not administered.
SCQ3-21	United States	X	Filter question not administered.

SCQ3-21A-H

Question:

In order to <graduate/finish school> students are required to ...

- A: pass a comprehensive (multi-subject) examination
- B: pass an examination in mathematics
- C: pass an examination in science
- D: maintain a certain standard of performance (e.g., grade point average)
- E: accumulate a certain amount of credits/course work
- F: attend a specified number of years
- G: reach a certain age
- H: pass an oral examination

[Data are entered for up to six country-specific Program/Track variables corresponding to those in 20A-F as described below. Coded as 'Not Applicable' if corresponding track is not available in school based on No responses to filter question regarding tracks in school (20A-F = 2).]

Variable name(s): Variables for tracks #1 - 6:

- Part A: CCBGPG1A--CCBGPG6A
- Part B: CCBGPG1B--CCBGPG6B
- Part C: CCBGPG1C--CCBGPG6C
- Part D: CCBGPG1D--CCBGPG6D
- Part E: CCBGPG1E--CCBGPG6E
- Part F: CCBGPG1F--CCBGPG6F
- Part G: CCBGPG1G--CCBGPG6G
- Part H: CCBGPG1H--CCBGPG6H

Item ID	Country	Code	Comment
SCQ3-21A1-H1	Australia	D	Data apply to all year 12 programs.
SCQ3-21A2-H2	Australia	X	Not included; data same as in track 1.
SCQ3-21A3-H3	Australia	X	Not included; data same as in track 1.
SCQ3-21A4-H4	Australia	X	Not included; data same as in track 1.
SCQ3-21A5-H5	Australia	X	Not included; no track 5.
SCQ3-21A6-H6	Australia	X	Not included; no track 6.
SCQ3-21A1-H6	Austria	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Canada	D	Data included for six program/track options: A1-H1 = General university/college preparation program; A2-H2 = University/college preparation program with specialization in mathematics; A3-H3 = University/college preparation program with specialization in science; A4-H4 = University/college preparation program with specialization in mathematics and science; A5-H5 = Trade/technical school preparation program; A6-H6 = Other graduation program.
SCQ3-21A1-H6	Cyprus	D	Data included for six program/track options: A1-H1 = Academic track at Lyceum - Classical program; A2-H2 = Academic track at Lyceum - Math/science program; A3-H3 = Academic track at Lyceum - Economics program; A4-H4 = Academic track at Lyceum - Commercial/secretarial program; A5-H5 = Academic track at Lyceum - Foreign language program; A6-H6 = Technical/Vocational schools.
SCQ3-21B1-B6	Cyprus	D	Data obtained from ministry; for graduation students must attain a minimum math score based on the average of their scores in mathematics courses in quarters A, B, and C of their final year and their score on external exams.
SCQ3-21C1-C6	Cyprus	D	Data obtained from ministry; for graduation students must attain a minimum science score based on the average of their scores in science courses in quarters A, B, and C of their final year and their score on external exams.

SCQ3-21D1-D6	Cyprus	D	Data obtained from ministry; for graduation students must attain a minimum math/science score based on the average of their scores in mathematics or science courses in quarters A, B, and C of their final year and their score on external exams.
SCQ3-21A1-H6	Czech Republic	D	Contains combined data for six different program/track options for Gymnasias (G) and Vocational (V) schools. A1-H1 = G version: Gymnasia class oriented on mathematics; V version: Secondary technical school. A2-H2 = G version: Gymnasia class oriented on mathematics and physics; V version: Secondary business school. A3-H3 = G version: Gymnasia class oriented on natural sciences; V version: Other secondary school with 'maturita'. A4-H4 = G version: Gymnasia class oriented on computer science and programming; V version: Secondary school without 'maturita'. A5-H5 = G version: Gymnasia general class; V version: Vocational training center with 'maturita'. A6-H6 = G version: Gymnasia class oriented on humanities; V version: Vocational training center without 'maturita'. [IDSTRAT may be used to filter data: IDSTRAT = 11, 21, or 31 are for V schools; IDSTRAT = 14, 24, or 34 are for G schools.]
SCQ3-21A1-H6	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	France	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Germany	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H4	Greece	D	Data included for four program/track options in academic schools: A1-H1 = Academic specialist track: math, science and technology; A2-H2 = Academic specialist track: medical, dentistry, pharmacy, and veterinary science; A3-H3 = Academic specialist track: archeology, literature, law, etc; A4-H4 = Academic specialist track: social and economic sciences.
SCQ3-21A5-H5	Greece	X	Not included; no track 5.
SCQ3-21A6-H6	Greece	X	Not included; no track 6.
SCQ3-21A1-H6	Hungary	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Israel	D	Data included for six program/track options: A1-H1 = Advanced courses in mathematics, physics, chemistry. (Academic program resulting in matriculation certificate); A2-H2 = Advanced courses in biology. (Academic program resulting in matriculation certificate); A3-H3 = Advanced courses in computer, technology, agriculture. (Academic program resulting in matriculation certificate); A4-H4 = Advanced courses in social studies (history, sociology, geography, economics, communication). (Academic program resulting in matriculation certificate); A5-H5 = Advanced courses in literature, Bible, arts, education. (Academic program resulting in matriculation certificate); A6-H6 = Other programs of study (including all vocational tracks/programs).
SCQ3-21A1-H6	Italy	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H1	Latvia	D	Data apply to all academic programs in school.
SCQ3-21A2-H2	Latvia	X	Not included; data same as track 1.
SCQ3-21A3-H3	Latvia	X	Not included; data same as track 1.
SCQ3-21A4-H4	Latvia	X	Not included; data same as track 1.
SCQ3-21A5-H5	Latvia	X	Not included; data same as track 1.
SCQ3-21A6-H6	Latvia	X	Not included; data same as track 1.

SCQ3-21A1-H6	Lithuania	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Netherlands	X	School questionnaire not administered.
SCQ3-21A1-H6	New Zealand	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Norway	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Russia	D	Data included for six program/track options: A1-H1 = General secondary education program; A2-H2 = Academic program in advanced math and/or physics; A3-H3 = Academic program with advanced study in one or more sciences (geology, physics, chemistry, geography); A4-H4 = Academic program with advanced study in one or more humanities (literature, history, social science); A5-H5 = Academic program with advanced study in languages; A6-H6 = Other programs.
SCQ3-21A1-H5	Slovenia	D	Data included for five program/track options: A1-H1 = Gymnasia (Matura program); A2-H2 = 4-5 year technical/professional program; A3-H3 = 4-year vocational program; A4-H4 = 3-year vocational program; A5-H5 = 2-year vocational program.
SCQ3-21A6-H6	Slovenia	X	Not included; no track 6.
SCQ3-21A1-H6	South Africa	D	Data included for six program/track options: A1-H1 = Mathematics and Physical Science both on Higher Grade; A2-H2 = Physical Science on Higher Grade and Mathematics on Standard Grade; A3-H3 = Mathematics on Higher Grade and Physical Science on Standard Grade; A4-H4 = Mathematics on Higher Grade without taking Physical Science; A5-H5 = Mathematics and/or Physical Science at Standard Grade or Functional Grade; A6-H6 = Humanities (no Mathematics or Physical Sciences).
SCQ3-21A1-A6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21B1-B6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21C1-C6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21D1-D6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21E1-E6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21F1-F4	Sweden	D	Data obtained from the ministry; same for all programs/tracks.
SCQ3-21F5,6	Sweden	X	Not included; no tracks 5,6.
SCQ3-21G1-G6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21H1-H6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-21A1-H6	Switzerland	D	Data included for six program/track options based on IDSTRAT: A1-H1 = Academic - math/science program (Type C) [IDSTRAT=1]; A2-H2 = Academic - language or economic program (Type A/B,D,E) [IDSTRAT=2]; A3-H3 = Academic Cantonal Type or Primary Teacher Education Program [IDSTRAT=3]; A4-H4 = Other academic schools [IDSTRAT=4]; A5-H5 = Advanced technical vocational program [IDSTRAT=5]; A6-H6 = Commercial or other vocational program [IDSTRAT=6 or 7]. [Data for each program/track pertain only to the tested TIMSS class in each school; schools with other program/track test classes are coded as Not Administered.]
SCQ3-21A1-H1	United States	D	Data apply to all programs in the school.
SCQ3-21A2-H2	United States	X	Not included; no track 2.
SCQ3-21A3-H3	United States	X	Not included; no track 3.

SCQ3-21A4-H4	United States	X	Not included; no track 4.
SCQ3-21A5-H5	United States	X	Not included; no track 5.
SCQ3-21A6-H6	United States	X	Not included; no track 6.

SCQ3-22

Question:

If the instructional time is the same for students in every Program/Track at the school, check the box and respond only to questions for <program/track> #1.

[Filter question for SCQ3-22A-E, and 23A,B; used to copy data in track #1 variables (22A1-E1; 23A1,B1) into the corresponding applicable track #2-6 variables.]

Variable name(s): CCBGTRAK

Item ID	Country	Code	Comment
SCQ3-22	Austria	X	Filter question not administered.
SCQ3-22	Denmark	X	Filter question not administered.
SCQ3-22	France	X	Filter question not administered.
SCQ3-22	Germany	X	Filter question not administered.
SCQ3-22	Hungary	X	Filter question not administered.
SCQ3-22	Iceland	X	Filter question not administered.
SCQ3-22	Italy	X	Filter question not administered.
SCQ3-22	Latvia	X	Filter question not administered.
SCQ3-22	Lithuania	X	Filter question not administered.
SCQ3-22	Netherlands	X	School questionnaire not administered.
SCQ3-22	New Zealand	D	Data apply to Form 6 (grade 11/year 12) and Form 7 (grade 12/year 13); no formal program/track options in school.
SCQ3-22	Norway	X	Filter question not administered.
SCQ3-22	Slovenia	X	Filter question not administered.
SCQ3-22	Switzerland	X	Filter question not administered.
SCQ3-22	United States	X	Filter question not administered.

SCQ3-22A-E

Question:

In your school:

- A: How many instructional days are in the Math/Science school year?
- B: How many full instructional days (over 4 hours) are there in the school week?
- C: How many half instructional days (4 hours or less) are there in the school week?
- D: How many hours in total are there in the school week?
- E: How many instructional hours are there in the school week?

[Data are entered for up to six country-specific Program/Track variables corresponding to those in 20A-F as described below. Coded as 'Not Applicable' if corresponding track is not available in school based on No responses to filter question regarding tracks in school (20A-F = 2).]

Variable name(s): Variables for tracks #1 - 6:

- Part A: CCBGTK1A--CCBGTK6A
- Part B: CCBGTK1B--CCBGTK6B
- Part C: CCBGTK1C--CCBGTK6C
- Part D: CCBGTK1D--CCBGTK6D
- Part E: CCBGTK1E--CCBGTK6E

Item ID	Country	Code	Comment
SCQ3-22A1-E4	Australia	D	Data included for four program/track options: A1-E1 = Full academic course, preparing students for university entry; A2-E2 = General course, not university oriented; A3-E3 = Course(s) in specific area(s), e.g. business studies; A4-E4 = School-industry link/bridging program.
SCQ3-22A5-E5	Australia	X	Not included; no track 5.
SCQ3-22A6-E6	Australia	X	Not included; no track 6.
SCQ3-22A1-E4	Austria	D	Data included for four program/track options: A1-E1 = Academic schools (AHS); A2-E2 = Higher technical/vocational schools(BHS); A3-E3 = Intermediate vocational/technical schools(BMS); A4-E4 = Apprenticeship(BS).
SCQ3-22A5-E5	Austria	X	Not included; no track 5.
SCQ3-22A6-E6	Austria	X	Not included; no track 6.
SCQ3-22A1-E6	Canada	D	Data included for six program/track options: A1-E1 = General university/college preparation program; A2-E2 = University/college preparation program with specialization in mathematics; A3-E3 = University/college preparation program with specialization in science; A4-E4 = University/college preparation program with specialization in mathematics and science; A5-E5 = Trade/technical school preparation program; A6-E6 = Other graduation program.
SCQ3-22A1-E6	Cyprus	D	Data included for six program/track options: A1-E1 = Academic track at Lyceum - Classical program; A2-E2 = Academic track at Lyceum - Math/science program; A3-E3 = Academic track at Lyceum - Economics program; A4-E4 = Academic track at Lyceum - Commercial/secretarial program; A5-E5 = Academic track at Lyceum - Foreign language program; A6-E6 = Technical/Vocational schools.

SCQ3-22A1-E6	Czech Republic	D	<p>Contains combined data for six different program/track options for Gymnasias (G) and Vocational (V) schools.</p> <p>A1-E1 = G version: Gymnasias class oriented on mathematics; V version: Secondary technical school.</p> <p>A2-E2 = G version: Gymnasias class oriented on mathematics and physics; V version: Secondary business school.</p> <p>A3-E3 = G version: Gymnasias class oriented on natural sciences; V version: Other secondary school with 'maturita'.</p> <p>A4-E4 = G version: Gymnasias class oriented on computer science and programming; V version: Secondary school without 'maturita'.</p> <p>A5-E5 = G version: Gymnasias general class; V version: Vocational training center with 'maturita'.</p> <p>A6-E6 = G version: Gymnasias class oriented on humanities; V version: Vocational training center without 'maturita'.</p> <p>[IDSTRAT may be used to filter data: IDSTRAT = 11, 21, or 31 are for V schools; IDSTRAT = 14, 24, or 34 are for G schools.]</p>
SCQ3-22A1-E6	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E6	France	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E3	Germany	D	<p>Data included for three program/track options:</p> <p>A1-E1 = Academic tracks including Gymnasias (GS) and comprehensive schools (IGS);</p> <p>A2-C2 = Technical tracks including higher technical/professional (FG) and applied science (FOS);</p> <p>A3-C3 = Vocational tracks including full-time vocational (BFS) and apprenticeship (BS).</p>
SCQ3-22D2,E2	Germany	X	Question not administered in vocational/technical schools (FG,FOS,BFS,BS).
SCQ3-22D3,E3	Germany	X	Question not administered in vocational/technical schools (FG,FOS,BFS,BS).
SCQ3-22A4-E4	Germany	X	Not included; no track 4.
SCQ3-22A5-C5	Germany	X	Not included; no track 5.
SCQ3-22A6-C6	Germany	X	Not included; no track 6.
SCQ3-22A1-E4	Greece	D	<p>Data included for four program/track options:</p> <p>A1-E1 = Academic specialist track: math, science and technology;</p> <p>A2-E2 = Academic specialist track: medical, dentistry, pharmacy, and veterinary science;</p> <p>A3-E3 = Academic specialist track: archeology, literature, law, etc;</p> <p>A4-E4 = Academic specialist track: social and economic sciences.</p>
SCQ3-22A5-E5	Greece	X	Not included; no track 5.
SCQ3-22A6-E6	Greece	X	Not included; no track 6.
SCQ3-22A1-E6	Hungary	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E6	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E6	Israel	D	<p>Data included for six program/track options:</p> <p>A1-E1 = Advanced courses in mathematics, physics, chemistry. (Academic program resulting in matriculation certificate);</p> <p>A2-E2 = Advanced courses in biology. (Academic program resulting in matriculation certificate);</p> <p>A3-E3 = Advanced courses in computer, technology, agriculture. (Academic program resulting in matriculation certificate);</p> <p>A4-E4 = Advanced courses in social studies (history, sociology, geography, economics, communication). (Academic program resulting in matriculation certificate);</p> <p>A5-E5 = Advanced courses in literature, Bible, arts, education. (Academic program resulting in matriculation certificate);</p> <p>A6-E6 = Other programs of study (including all vocational tracks/programs).</p>

SCQ3-22A1-E5	Italy	D	Data included for five program/track options: A1,B1,D1,E1 = Classical Schools (classics, languages, teaching programs); A2,B2,D2,E2 = Classical Schools (science programs); A3,B3,D3,E3 = Art Schools; A4,B4,D4,E4 = Vocational Schools; A5,B5,D5,E5 = Technical Schools.
SCQ3-22B1-B5	Italy	D	Data obtained from the ministry; all schools have 6 full instructional days per week.
SCQ3-22C1-C5	Italy	X	Question not administered. Not applicable; no half instructional days.
SCQ3-22A6-E6	Italy	D	Not included; no track 6.
SCQ3-22A1-E1	Latvia	D	Data apply to all academic programs in school.
SCQ3-22A2-E2	Latvia	X	Not included; data same as in track 1.
SCQ3-22A3-E3	Latvia	X	Not included; data same as in track 1.
SCQ3-22A4-E4	Latvia	X	Not included; data same as in track 1.
SCQ3-22A5-E5	Latvia	X	Not included; data same as in track 1.
SCQ3-22A6-E6	Latvia	X	Not included; data same as in track 1.
SCQ3-22A1-E6	Lithuania	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E6	Netherlands	X	School questionnaire not administered.
SCQ3-22A1-E1	New Zealand	D	Data apply to all Form 6 (grade 11/year 12) students; no formal program/track options in schools. [Form 6 students can be identified by the last 3 digits in IDSTUD=601-699.]
SCQ3-22A2-E2	New Zealand	D	Data apply to all Form 7 (grade 12/year 13) students; no formal program/track options in schools. [Form 7 students can be identified by the last 3 digits in IDSTUD=701-799.]
SCQ3-22A3-E3	New Zealand	X	Not included; no track 3.
SCQ3-22A4-E4	New Zealand	X	Not included; no track 4.
SCQ3-22A5-E5	New Zealand	X	Not included; no track 5.
SCQ3-22A6-E6	New Zealand	X	Not included; no track 6.
SCQ3-22B1,B2	New Zealand	D	Data obtained from the ministry; all schools have 5 full instructional days per week.
SCQ3-22C1,C2	New Zealand	D	Data obtained from the ministry; all schools have 0 half instructional days per week.
SCQ3-22A1-E6	Norway	X	Question not administered or data not internationally comparable.
SCQ3-22A1-E6	Russia	D	Data included for six program/track options: A1-E1 = General secondary education program; A2-E2 = Academic program in advanced math and/or physics; A3-E3 = Academic program with advanced study in one or more sciences (geology, physics, chemistry, geography); A4-E4 = Academic program with advanced study in one or more humanities (literature, history, social science); A5-E5 = Academic program with advanced study in languages; A6-E6 = Other programs.
SCQ3-22A1-E5	Slovenia	D	Data included for five program/track options: A1-E1 = Gymnasia (Matura program); A2-E2 = 4-5 year technical/professional program; A3-E3 = 4-year vocational program; A4-E4 = 3-year vocational program; A5-E5 = 2-year vocational program.
SCQ3-22A6-E6	Slovenia	X	Not included; no track 6.

SCQ3-22A1-E6	South Africa	D	Data included for six program/track options: A1-E1 = Mathematics and Physical Science both on Higher Grade; A2-E2 = Physical Science on Higher Grade and Mathematics on Standard Grade; A3-E3 = Mathematics on Higher Grade and Physical Science on Standard Grade; A4-E4 = Mathematics on Higher Grade without taking Physical Science; A5-E5 = Mathematics and/or Physical Science at Standard Grade or Functional Grade; A6-E6 = Humanities (no Mathematics or Physical Sciences).
SCQ3-22A1-E4	Sweden	D	Data included for four program/track options: A1-E1 = Academic programs (NT/ NV) - math & physics specialization; A2-E2 = Academic programs (SP/SE) - social science & economics specialization; A3-E3 = Academic program (SP/H) - humanities specialization; A4-E4 = 2-year programs or 3-year vocational programs.
SCQ3-22A5-E5	Sweden	X	Not included; no track 5.
SCQ3-22A6-E6	Sweden	X	Not included; no track 6.
SCQ3-22A1-A4	Sweden	D	Data obtained from the ministry; all schools have 178 instructional days per year.
SCQ3-22E1-E4	Sweden	D	The number of 'instructional hours' was asked as 40 minute periods. Recomputed to correspond to 60 minute hours (22E times 2/3).
SCQ3-22A1-E6	Switzerland	D	Data included for six program/track options: A1-E1 = Academic - math/science program (Type C) [IDSTRAT = 1]; A2-E2 = Academic - language or economic program (Type A/B,D,E) [IDSTRAT = 2]; A3-E3 = Academic Cantonal Type of Primary Teacher Education Program [IDSTRAT = 3]; A4-E4 = Other academic schools [IDSTRAT = 4]; A5-E5 = Advanced technical vocational program [IDSTRAT = 5]; A6-E6 = Commercial or other vocational program [IDSTRAT = 6 or 7]. [Data for each program/track pertain only to the tested TIMSS class in each school; schools with other program/track test classes are coded as Not Administered.]
SCQ3-22A1-A6	Switzerland	D	Modified: asked weeks/year instead of days. Recomputed: days(full days+half days) times weeks. [(22B+22C)*22A].
SCQ3-22A1-E1	United States	D	Data apply to all programs in the school.
SCQ3-22A2-E2	United States	X	Not included; no track 2.
SCQ3-22A3-E3	United States	X	Not included; no track 3.
SCQ3-22A4-E4	United States	X	Not included; no track 4.
SCQ3-22A5-E5	United States	X	Not included; no track 5.
SCQ3-22A6-E6	United States	X	Not included; no track 6.

SCQ3-23

Question:

A: How many instructional periods are there in a week?

B: How many minutes is a typical instructional period?

[Data are entered for up to six country-specific Program/Track variables corresponding to those in 20A-F as described below. Coded as 'Not Applicable' if corresponding track is not available in school based on No responses to filter question regarding tracks in school (20A-F = 2).]

Variable name(s): Variables for tracks #1 - 6:

Part A: CCBGIPD1--CCBGIPD6

Part B: CCBGITM1--CCBGITM6

Item ID	Country	Code	Comment
SCQ3-23A1-B4	Australia	D	Data included for four program/track options: A1,B1 = Full academic course, preparing students for university entry; A2,B2 = General course, not university oriented; A3,B3 = Course(s) in specific area(s), e.g. business studies; A4,B4 = School-industry link/bridging program.
SCQ3-23A5,B5	Australia	X	Not included; no track 5.
SCQ3-23B6,B6	Australia	X	Not included; no track 6.
SCQ3-23A1-B4	Austria	D	Data included for four program/track options: A1,B1 = Academic schools (AHS); A2,B2 = Higher technical/vocational schools(BHS); A3,B3 = Intermediate vocational/technical schools(BMS); A4,B4 = Apprenticeship(BS).
SCQ3-23A5,B5	Austria	D	Not included; no track 5.
SCQ3-23A6,B6	Austria	D	Not included; no track 6.
SCQ3-23A1-B6	Canada	D	Data included for six program/track options: A1,B1 = General university/college preparation program; A2,B2 = University/college preparation program with specialization in mathematics; A3,B3 = University/college preparation program with specialization in science; A4,B4 = University/college preparation program with specialization in mathematics and science; A5,B5 = Trade/technical school preparation program; A6,B6 = Other graduation program.
SCQ3-23A1-B6	Cyprus	D	Data included for six program/track options: A1,B1 = Academic track at Lyceum - Classical program; A2,B2 = Academic track at Lyceum - Math/science program; A3,B3 = Academic track at Lyceum - Economics program; A4,B4 = Academic track at Lyceum - Commercial/secretarial program; A5,B5 = Academic track at Lyceum - Foreign language program; A6,B6 = Technical/Vocational schools.

SCQ3-23A1-B6	Czech Republic	D	<p>Contains combined data for six different program/track options for Gymnasia (G) and Vocational (V) schools.</p> <p>A1,B1 = G version: Gymnasia class oriented on mathematics; V version: Secondary technical school.</p> <p>A2,B2 = G version: Gymnasia class oriented on mathematics and physics; V version: Secondary business school.</p> <p>A3,B3 = G version: Gymnasia class oriented on natural sciences; V version: Other secondary school with 'maturita'.</p> <p>A4,B4 = G version: Gymnasia class oriented on computer science and programming; V version: Secondary school without 'maturita'.</p> <p>A5,B5 = G version: Gymnasia general class; V version: Vocational training center with 'maturita'.</p> <p>A6,B6 = G version: Gymnasia class oriented on humanities; V version: Vocational training center without 'maturita'.</p> <p>[IDSTRAT may be used to filter data: IDSTRAT = 11, 21, or 31 are for V schools; IDSTRAT = 14, 24, or 34 are for G schools.]</p>
SCQ3-23A1-B6	Denmark	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	France	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Germany	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B4	Greece	D	<p>Data included for four program/track options:</p> <p>A1,B1 = Academic specialist track: math, science and technology; A2,B2 = Academic specialist track: medical, dentistry, pharmacy, and veterinary science; A3,B3 = Academic specialist track: archeology, literature, law, etc; A4,B4 = Academic specialist track: social and economic sciences.</p>
SCQ3-23A5,B5	Greece	X	Not included; no track 5.
SCQ3-23A6,B6	Greece	X	Not included; no track 6.
SCQ3-23A1-B6	Hungary	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Iceland	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Israel	D	<p>Data included for six program/track options:</p> <p>A1,B1 = Advanced courses in mathematics, physics, chemistry. (Academic program resulting in matriculation certificate); A2,B2 = Advanced courses in biology. (Academic program resulting in matriculation certificate); A3,B3 = Advanced courses in computer, technology, agriculture. (Academic program resulting in matriculation certificate); A4,B4 = Advanced courses in social studies (history, sociology, geography, economics, communication). (Academic program resulting in matriculation certificate); A5,B5 = Advanced courses in literature, Bible, arts, education. (Academic program resulting in matriculation certificate); A6,B6 = Other programs of study (including all vocational tracks/programs).</p>
SCQ3-23A1-A6	Italy	X	Question not administered or data not internationally comparable.
SCQ3-23B1-B5	Italy	D	<p>Data included for five program/track options:</p> <p>B1 = Classical Schools (classics, languages, teaching programs); B2 = Classical Schools (science programs); B3 = Art Schools; B4 = Vocational Schools; B5 = Technical Schools.</p>
SCQ3-23B6	Italy	X	Not included; no track 6.
SCQ3-23A1,B1	Latvia	D	Data apply to all academic programs in school.
SCQ3-23A2,B2	Latvia	X	Not included; data same as in track #1.
SCQ3-23A3,B3	Latvia	X	Not included; data same as in track #1.
SCQ3-23A4,B4	Latvia	X	Not included; data same as in track #1.

SCQ3-23A5,B5	Latvia	X	Not included; data same as in track #1.
SCQ3-23A6,B6	Latvia	X	Not included; data same as in track #1.
SCQ3-23A1-B6	Lithuania	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Netherlands	X	School questionnaire not administered.
SCQ3-23A1,B1	New Zealand	D	Data apply to all Form 6 (grade 11/year 12) students; no formal program/track options in schools. [Form 6 students can be identified by the last 3 digits in IDSTUD=601-699.]
SCQ3-23A2,B2	New Zealand	D	Data apply to all Form 7 (grade 12/year 13) students; no formal program/track options in schools. [Form 7 students can be identified by the last 3 digits in IDSTUD=701-799.]
SCQ3-23A3,B3	New Zealand	X	Not included; no track 3.
SCQ3-23A4,B4	New Zealand	X	Not included; no track 4.
SCQ3-23A5,B5	New Zealand	X	Not included; no track 5.
SCQ3-23A6,B6	New Zealand	X	Not included; no track 6.
SCQ3-23A1-B6	Norway	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Russia	D	Data included for six program/track options: A1,B1 = General secondary education program; A2,B2 = Academic program in advanced math and/or physics; A3,B3 = Academic program with advanced study in one or more sciences (geology, physics, chemistry, geography); A4,B4 = Academic program with advanced study in one or more humanities (literature, history, social science); A5,B5 = Academic program with advanced study in languages; A6,B6 = Other programs.
SCQ3-23A1-B6	Slovenia	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	South Africa	D	Data included for six program/track options: A1,B1 = Mathematics and Physical Science both on Higher Grade; A2,B2 = Physical Science on Higher Grade and Mathematics on Standard Grade; A3,B3 = Mathematics on Higher Grade and Physical Science on Standard Grade; A4,B4 = Mathematics on Higher Grade without taking Physical Science; A5,B5 = Mathematics and/or Physical Science at Standard Grade or Functional Grade; A6,B6 = Humanities (no Mathematics or Physical Sciences).
SCQ3-23A1-B6	Sweden	X	Question not administered or data not internationally comparable.
SCQ3-23A1-B6	Switzerland	D	Data included for six program/track options: A1,B1 = Academic - math/science program (Type C) [IDSTRAT = 1]; A2,B2 = Academic - language or economic program (Type A/B,D,E) [IDSTRAT = 2]; A3,B3 = Academic Cantonal Type of Primary Teacher Education Program [IDSTRAT = 3]; A4,B4 = Other academic schools [IDSTRAT = 4]; A5,B5 = Advanced technical vocational program [IDSTRAT = 5]; A6,B6 = Commercial or other vocational program [IDSTRAT = 6 or 7]. [Data for each program/track pertain only to the tested TIMSS class in each school; schools with other program/track test classes are coded as Not Administered.]
SCQ3-23A1,B1	United States	D	Data apply to all programs in the school.
SCQ3-23A2,B2	United States	X	Not included; no track 2.
SCQ3-23A3,B3	United States	X	Not included; no track 3.
SCQ3-23A4,B4	United States	X	Not included; no track 4.
SCQ3-23A5,B5	United States	X	Not included; no track 5.
SCQ3-23A6,B6	United States	X	Not included; no track 6.