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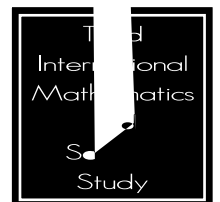
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Documentation of
National Adaptations of
International Background
Questionnaire Items
Population 3

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

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

SQ3-1**Question:**

On what day were you born?

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

Variable name(s): CSBGBIRD,CSBGBIRM,CSBGBIRY

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): CSBGBRN1,CSBGBRN2

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):

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):

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		

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		

SQ3-9J	Israel	D	Microwave oven
SQ3-9K	Israel		

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

SQ3-90

Sweden

D



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

SQ3-11/1-2	Germany	D	<p>Modified: recoded to international options.</p> <p>Option 1 = No lower secondary (grade 8);</p> <p>Option 2 = Combines lower or middle-secondary levels (Hauptschulabschluss - 9 or 10 grades) or medium secondary (Fachoberschulreife, Realschulabschluss or Polytechnische Oberschule - 10 grade);</p> <p>Option 3 = Combines 2 upper-secondary levels: general/academic or apprenticeship/vocational training (Lehrabschluss, Berufsfachschule, Berufsaufbauschule);</p> <p>Option 4 = Postsecondary vocational schools (Fachschulabschluss);</p> <p>Option 5 = Omitted;</p> <p>Option 6 = Combines university, technical university, 3-4 year teacher college, or specialized higher vocational degree (Fachhochschulabschluss);</p> <p>Option 7 = Omitted.</p>
SQ3-11/1-2	Greece	D	<p>Options 1,2,3,5,6 = Comparable to international version;</p> <p>Option 4 = graduated from technical/vocational institute (3 years).</p>
SQ3-11/1-2	Hungary	D	<p>Modified: recoded to international options.</p> <p>Option 1 = Some general school;</p> <p>Option 2 = Finished general school (grade 8);</p> <p>Option 3 = Combines two upper-secondary tracks: apprenticeship (3 year trade school) or final exam in secondary school (4 year academic/vocational);</p> <p>Options 4,5 = Omitted;</p> <p>Option 6 = University or College diploma;</p> <p>Option 7 = Omitted.</p>
SQ3-11/1-2	Italy	D	<p>Modified: recoded to international options.</p> <p>Option 1 = Finish primary;</p> <p>Option 2 = Finish middle school;</p> <p>Option 3 = Combines two secondary tracks: secondary with maturita (classical/technical) or vocational training;</p> <p>Option 4 = Omitted;</p> <p>Option 5 = Some university;</p> <p>Option 6 = Finish university.</p>
SQ3-11/1-2	New Zealand	D	<p>Options 1,2,3,4,5 = Comparable to international version;</p> <p>Option 6 = University or teachers college.</p>
SQ3-11/1-2	Norway	D	<p>Modified: recoded to international options.</p> <p>Option 1 = Folkeskole - 7 grades (compulsory before 1970);</p> <p>Option 2 = Lower secondary, 9 grades (compulsory after 1970);</p> <p>Option 3 = Upper secondary (general academic or vocational);</p> <p>Option 4 = Post secondary vocational training;</p> <p>Option 5 = 1-3 years at universa.7(a.(a25.(a.(u.1(h)-0.7 [(Norwti(pla25.(=tv4.41 T-)-14.6.([(S)-011 T;8(t)7.-7s10.3(nic10.3(5ule);T)14.9(3.328n(r)16.9(s)-10.8(it).3(r)1.7(aining;)-8.3()TJ T* -050115(tr)27.5(acks: se</p>

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>

14A34Age>

SQ3-14A2	Greece	D	Academic courses in a college.
SQ3-14A3	Greece	D	

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 (komducatiher).



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.

SQ3-20

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): D4m13 4l4S96u Tc 42e(D4S96O)1(rkWQue(.))1)23D4S96OrkWQu30.2(4 g 147.0.17503.13)-5 46.2(6 81 4/F2 1* Tf 8.013 0 0 8.0

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 m = FA-8.45chdem ch (A-8.45cHS-8.45c b)TJ 0 -1.1532 TD -0.00163Tc 0.0077 Tw [(4 4 = Pl-78yre0.34trre voarotoa.7(l)-15(p)-10.7(t)-10.7(hool- (B-8.4(cM).78)-8.4(c); 44= FA-8.42(ppren)-7.58eislhip rog 2172(a)0.3(m)-21.59 (e2172(aB-7.12cS-8.42);).2(. 4 = PUiversolle 21727()a.8owi.8op.8eializaa S3= PUiversiny).36rpoulle 21723()a.7tio-3.8(no-14.33rn0.7()-4.9(wi)-7.57eh-4(.7o)-15(

SQ3-24	France	D	<p>Six options:</p> <ul style="list-style-type: none"> 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	<p>Three options:</p> <ul style="list-style-type: none"> 1 = Academic tracks including Gymnasia (GS) and comprehensive schools (IGS); 2 = Technical tracks including higher technical/professional (FG) and applied science (FOS); 3 = Vocational tracks including full-time vocational (BDnThu2 rei2 rehy14 T Twi[(3)]TJi-24.3512 -1.1532

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);

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	

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:

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.
SQ3-26	5w [4 year11.21s;		

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	

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 not administered or data not internationally comparable.

Questi29



SQ3-28

Question:

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

A: I never studied biology.



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			

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.





SQ3-32E	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			

SQ3-32A

Sweden

D



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

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	

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	

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

SQ3-37

Question:

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

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

Variable name(s): CSBSTXBK

Country	Code	Comment
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SQ3-37A-E

Question:

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		'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

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

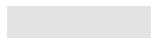
Question:

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.



SQ3-40A**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): CSBGCPT2

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 = maturitätsschule seminar; Option 2 = teacher training 2-4 years. [Only included for students in German and French cantons]
SQ3-40A	United States		



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

Section 2

School Background Que

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
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SCQi0.1(m()Tjj -8(2)6 a t)-762.3u33()6h.4 rJ ET 73.5a2(?))Tt6P0s1		i0(n)15.9(9nt)c [(a-6.5(liaj -8(2)6 a t2ble .3u33()6h.7(rJ ET)473.5)0.12(a2(?))	
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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	

SCQ3-2H



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>?

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			

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			

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		D	Data obtained from ministry
SCQ3-11	France	X	Question not administered or data not international013..8(ion(n)-1425d or dat)-7.8(a not)-7.8(i-1425(red or

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?

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.

SCQ3-17

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	XX	

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	SCQ3 726 -1.94 0 g726 -1.94 0 g726 -1.94 0 g726 -1.94 0 g72g72am 0 g 0 Tc 0 Tw (X)Tj 2.80058())JTJ T* -0.00M.1(ol dif)	

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

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		ary education program.
SCQ3-20B	Russia	D	Academic program in advanced math and/or physics.
SCQ3-20C	Russia	sD	Academic program with advanced study in one or more sciences (geology, physics, chemistry, geography).

SQ20C



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		

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

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



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	Swedoy-H6 = HFuncQI S		

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 tradd Cod3(ruc)-10.8(t)-8.1(ional day8.1(ioPa)8-10.) No 9.9(t)-No 9.9(t)-No Q3-22A* 7rE



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		Question not administered or data not internationally comparable.
SCQ3-22A1-E6	Russia	D	Data included for six program/track options:

SCQ3-22A1-E6

South Africa

Data included for six program/track options:
A1-E1 = Mathematics and Physical Science both on Higher Grade;



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;</p> <p>A2,B2 = Academic specialist track: medical, dentistry, pharmacy, and veterinary science;</p> <p>A3,B3 = Academic specialist track: archeology, literature, law, etc;</p> <p>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);</p> <p>A2,B2 = Advanced courses in biology. (Academic program resulting in matriculation certificate);</p> <p>A3,B3 = Advanced courses in computer, technology, agriculture. (Academic program resulting in matriculation certificate);</p> <p>A4,B4 = Advanced courses in social studies (history, sociology, geography, economics, communication). (Academic program resulting in matriculation certificate);</p> <p>A5,B5 = Advanced courses in literature, Bible, arts, education. (Academic program resulting in matriculation certificate);</p> <p>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);</p> <p>B2 = Classical Schools (science programs);</p> <p>B3 = Art Schools;</p> <p>B4 = Vocational Schools;</p> <p>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.