



TIMSS
LONGITUDINAL

2023–2024

Identification Label

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

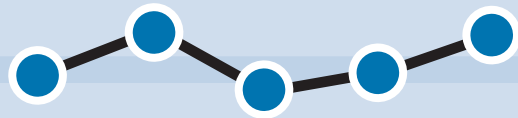
Student Questionnaire

Separate Science Subjects

<Grade 9>

<TIMSS National Research Center Name>

<Address>



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

Directions

In this booklet, you will find questions about yourself. Some questions ask for facts while other questions ask for your opinion.

Each question is followed by a number of answers. Shade in the circle next to or under the answer of your choice as shown in Examples 1, 2, and 3.

Example 1

Do you go to school?

*Fill **one** circle only.*

Yes -- ☒

No -- ☐

Example 2

How often do you do these things?

*Fill **one** circle for each line.*

	Every day	Almost every day	Sometimes	Never
a) I talk with my friends	☒	☐	☐	☐
b) I play sports	☐	☒	☐	☐
c) I ride a skateboard	☐	☐	☒	☐

Example 3

What do you think? Tell how much you agree with these statements.

Fill **one** circle for each line.

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) Watching movies is fun-----	☐	☒	☐	☐
b) Ice cream tastes good -----	☒	☐	☐	☐
c) Waking up early is difficult -----	☐	☐	☒	☐
d) I enjoy doing chores -----	☐	☐	☐	☒

- Read each question carefully, and pick the answer you think is best.
- Fill in the circle next to or under your answer.
- If you decide to change your answer, draw an **X** through your first answer, like this: ~~☐~~. Then, fill in the circle next to or under your new answer.
- Ask for help if you do not understand something or are not sure how to answer.
- You may recognize some of these questions from a questionnaire you completed last school year. Please respond to the questions again to give information about your experiences this school year.

About You

1

Which of these describes you?

BSBLG01

*Fill **one** circle only.*

Girl -- ☐

Boy -- ☐

<Other> -- ☐

2

When were you born?

BSBLG02A

Fill the circles next to the month and year you were born.

BSBLG02B

a) Month

b) Year

January -- ☐

2006 -- ☐

February -- ☐

2007 -- ☐

March -- ☐

2008 -- ☐

April -- ☐

2009 -- ☐

May -- ☐

2010 -- ☐

June -- ☐

2011 -- ☐

July -- ☐

2012 -- ☐

August -- ☐

2013 -- ☐

September -- ☐

2014 -- ☐

October -- ☐

Other -- ☐

November -- ☐

December -- ☐

3

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

BSBLG03

*Fill **one** circle only.*

Always --○

Almost always --○

Sometimes --○

Never --○

4

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

BSBLG04

*Fill **one** circle only.*

None or very few
(0–10 books) --○

Enough to fill one shelf
(11–25 books) --○

Enough to fill one bookcase
(26–100 books) --○

Enough to fill two bookcases
(101–200 books) --○

Enough to fill three or more bookcases
(more than 200) --○

5

Do you have any of these things at your home?

*Fill **one** circle for each line.*

		Yes ↓		No ↓
BSBLG05A	a) Your own computer or tablet -----	☐	-----	☐
BSBLG05B	b) A shared computer or tablet you can use -----	☐	-----	☐
BSBLG05C	c) A smartphone -----	☐	-----	☐
BSBLG05D	d) Access to the internet -----	☐	-----	☐
BSBLG05E	e) Study desk/table for your use -----	☐	-----	☐
BSBLG05F	f) Your own room -----	☐	-----	☐

The following questions are about your <Parent/Guardian A> and <Parent/Guardian B>. <If you have only one parent/guardian, answer for Parent/Guardian A. If you have two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.>

6

What is the highest level of education completed by your <parents/guardians>?

BSBLG06A

Check **one** circle in each column.

BSBLG06B

	<Parent / Guardian A>	<Parent / Guardian B>
Some <Primary education— ISCED Level 1 or Lower secondary education—ISCED Level 2> or did not go to school -----	☐	☐
<Lower secondary education—ISCED Level 2> -----	☐	☐
<Upper secondary education—ISCED Level 3> -----	☐	☐
<Post-secondary, non-tertiary education—ISCED Level 4> -----	☐	☐
<Short-cycle tertiary education—ISCED Level 5> -----	☐	☐
<Bachelor's or equivalent level—ISCED Level 6> -----	☐	☐
<Postgraduate degree: Master's— ISCED Level 7 or Doctor—ISCED Level 8> -----	☐	☐
I don't know -----	☐	☐
Not applicable -----	☐	☐

7

How far in your education do you expect to go?

BSBLG07

*Fill **one** circle only.*

Finish <Lower secondary
education—ISCED Level 2> ----- ☐

Finish <Upper secondary
education—ISCED Level 3> ----- ☐

Finish <Post-secondary, non-tertiary
education—ISCED Level 4> ----- ☐

Finish <Short-cycle tertiary
education—ISCED Level 5> ----- ☐

Finish <Bachelor's or equivalent
level—ISCED Level 6> ----- ☐

Finish <Postgraduate degree:
Master's—ISCED Level 7 or
Doctor—ISCED Level 8> ----- ☐

8

About how often are you absent from school?

BSBLG08

*Fill **one** circle only.*

Once a week -- ☐

Once every two weeks -- ☐

Once a month -- ☐

Once every two months -- ☐

Never or almost never -- ☐

9

How often do you feel this way when you arrive at school?

*Fill **one** circle for each line.*

		Every day ↓	Almost every day ↓	Sometimes ↓	Never ↓
BSBLG09A	a) I feel tired	☐	☐	☐	☐
BSBLG09B	b) I feel hungry	☐	☐	☐	☐
BSBLG09C	c) I feel <unwell> (e.g., headache, stomachache)	☐	☐	☐	☐
BSBLG09D	d) I feel happy	☐	☐	☐	☐
BSBLG09E	e) I feel worried about the school day	☐	☐	☐	☐

10

How much do you agree with these statements?

Fill **one** circle for each line.

Agree
a lot

Agree
a little

Disagree
a little

Disagree
a lot

BSBLG10A	a) I can write and edit text on a computer, tablet, or smartphone	☐	☐	☐	☐
BSBLG10B	b) I can create school presentations using a computer, tablet, or smartphone	☐	☐	☐	☐
BSBLG10C	c) I can create tables, charts, and graphs using a computer, tablet, or smartphone	☐	☐	☐	☐
BSBLG10D	d) I can find information that I need online	☐	☐	☐	☐
BSBLG10E	e) I can tell if a website is trustworthy	☐	☐	☐	☐
BSBLG10F	f) I can easily do new things on computers, laptops, or smartphones	☐	☐	☐	☐
BSBLG10G	g) I can help my friends or family members with using their computers, laptops, or smartphones	☐	☐	☐	☐

11

How much do you agree with these statements?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLG11A	a) I care about the protection of plants and animals	☐	☐	☐	☐
BSBLG11B	b) Nature exists to benefit humans regardless of the consequences	☐	☐	☐	☐
BSBLG11C	c) The most important reason for protecting natural areas is so people can enjoy them	☐	☐	☐	☐
BSBLG11D	d) I am confident that environmental problems will be solved by science and technology	☐	☐	☐	☐
BSBLG11E	e) It makes me sad when nature is destroyed by humans	☐	☐	☐	☐
BSBLG11F	f) I enjoy finding out what kinds of plants and animals live in my surrounding area.....	☐	☐	☐	☐
BSBLG11G	g) I enjoy being in nature (e.g., <forests, parks, deserts>).....	☐	☐	☐	☐
BSBLG11H	h) Protecting nature is more important than economic growth ---	☐	☐	☐	☐
BSBLG11I	i) Addressing climate change should be a high priority.....	☐	☐	☐	☐

12

How often do you do these things to help the natural environment?

*Fill **one** circle for each line.*

		Every day	Almost every day	Sometimes	Never
BSBLG12A	a) I try to reuse things (e.g., <bags, bottles>)-----	☐	☐	☐	☐
BSBLG12B	b) I try to use less resources (e.g., <water, food>)-----	☐	☐	☐	☐
BSBLG12C	c) I talk about how to help the environment (e.g., <saving water, picking up trash>)-----	☐	☐	☐	☐
BSBLG12D	d) I try to learn about environmental problems (e.g., <climate change, endangered animals>)-----	☐	☐	☐	☐
BSBLG12E	e) I try to participate in group activities to help the environment--	☐	☐	☐	☐
BSBLG12F	f) I tell my friends when they are doing things that harm the environment-----	☐	☐	☐	☐

13

What do you think about your school? Tell how much you agree with these statements.

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLG13A	a) I like being in school	☐	☐	☐	☐
BSBLG13B	b) I feel safe when I am at school	☐	☐	☐	☐
BSBLG13C	c) I feel like I belong at this school	☐	☐	☐	☐
BSBLG13D	d) Teachers at this school care about me	☐	☐	☐	☐
BSBLG13E	e) I am proud to go to this school	☐	☐	☐	☐
BSBLG13F	f) I have friends at this school	☐	☐	☐	☐
BSBLG13G	g) Students in this school respect me	☐	☐	☐	☐
BSBLG13H	h) Students at this school like me the way I am	☐	☐	☐	☐
BSBLG13I	i) I am satisfied with school	☐	☐	☐	☐

14

During this school year, how often have other students from your school done any of the following things to you in person, through messaging, or through social media?

*Fill **one** circle for each line.*

At least
once a
week

Once or
twice
a month

A few
times
a year

Never

BSBLG14A	a) Said mean things about my physical appearance (e.g., my hair, my size) -----	☐	☐	☐	☐
BSBLG14B	b) Spread lies about me -----	☐	☐	☐	☐
BSBLG14C	c) Shared my secrets with others -----	☐	☐	☐	☐
BSBLG14D	d) Refused to talk to me -----	☐	☐	☐	☐
BSBLG14E	e) Said hurtful things to or about me because of my cultural background (e.g., <race, ethnicity, religion>) -----	☐	☐	☐	☐
BSBLG14F	f) Stole something from me -----	☐	☐	☐	☐
BSBLG14G	g) Made me do things I didn't want to do -----	☐	☐	☐	☐
BSBLG14H	h) Sent me nasty or hurtful messages online -----	☐	☐	☐	☐
BSBLG14I	i) Shared nasty or hurtful things about me online -----	☐	☐	☐	☐
BSBLG14J	j) Shared embarrassing photos of me online -----	☐	☐	☐	☐
BSBLG14K	k) Threatened me -----	☐	☐	☐	☐
BSBLG14L	l) Physically hurt me -----	☐	☐	☐	☐
BSBLG14M	m) Excluded me from their group (e.g., parties, messaging) -----	☐	☐	☐	☐
BSBLG14N	n) Damaged something of mine on purpose -----	☐	☐	☐	☐

15

In mathematics lessons, how often do you work on problems on your own?

BSBLM15

*Fill **one** circle only.*

Every or almost every lesson -- ☐

About half the lessons -- ☐

Some lessons -- ☐

Never -- ☐

16

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLM16A	a) I enjoy learning mathematics	☐	☐	☐	☐
BSBLM16B	b) I learn many interesting things in mathematics	☐	☐	☐	☐
BSBLM16C	c) I like mathematics	☐	☐	☐	☐
BSBLM16D	d) I like any schoolwork that involves numbers	☐	☐	☐	☐
BSBLM16E	e) I like to solve mathematics problems	☐	☐	☐	☐
BSBLM16F	f) I look forward to mathematics class	☐	☐	☐	☐
BSBLM16G	g) Mathematics is one of my favorite subjects	☐	☐	☐	☐

How much do you agree with these statements about your mathematics lessons?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLM17A	a) My teacher makes it clear what we should learn in each lesson-----	☐	☐	☐	☐
BSBLM17B	b) My teacher is easy to understand --	☐	☐	☐	☐
BSBLM17C	c) My teacher has clear answers to my questions -----	☐	☐	☐	☐
BSBLM17D	d) My teacher is good at explaining mathematics -----	☐	☐	☐	☐
BSBLM17E	e) My teacher does a variety of things to help us learn -----	☐	☐	☐	☐
BSBLM17F	f) My teacher explains a topic again when we don't understand ---	☐	☐	☐	☐
BSBLM17G	g) My teacher gives me helpful feedback on my work -----	☐	☐	☐	☐
BSBLM17H	h) My teacher asks me to show what I have learned -----	☐	☐	☐	☐
BSBLM17I	i) My teacher asks me to explain my answers -----	☐	☐	☐	☐
BSBLM17J	j) My teacher asks us to apply what we have learned in new situations -----	☐	☐	☐	☐

How often do these things happen in your mathematics lessons?

Fill **one** circle for each line.

Every or
almost
every
lesson

About
half
the
lessons

Some
lessons

Never

BSBLM18A	a) Students don't listen to what the teacher says	☐	☐	☐	☐
BSBLM18B	b) There is too much noise for students to work well	☐	☐	☐	☐
BSBLM18C	c) My teacher has to wait a long time for students to be quiet	☐	☐	☐	☐
BSBLM18D	d) Students interrupt the teacher	☐	☐	☐	☐
BSBLM18E	e) Students do not follow the classroom rules	☐	☐	☐	☐
BSBLM18F	f) Other students' behavior makes it hard for me to concentrate	☐	☐	☐	☐

19

How much do you agree with these statements about mathematics?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLM19A	a) I usually do well in mathematics ---	☐	☐	☐	☐
BSBLM19B	b) Mathematics is harder for me than for many of my classmates ----	☐	☐	☐	☐
BSBLM19C	c) Mathematics is not one of my strengths -----	☐	☐	☐	☐
BSBLM19D	d) Mathematics is easy for me-----	☐	☐	☐	☐
BSBLM19E	e) I am good at working out difficult mathematics problems -----	☐	☐	☐	☐
BSBLM19F	f) I am good at explaining mathematics to others -----	☐	☐	☐	☐
BSBLM19G	g) Mathematics is harder for me than any other subject -----	☐	☐	☐	☐
BSBLM19H	h) Mathematics makes me confused---	☐	☐	☐	☐

How much do you agree with these statements about mathematics?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLM20A	a) I think learning mathematics will help me in my daily life	☐	☐	☐	☐
BSBLM20B	b) I need mathematics to learn other school subjects	☐	☐	☐	☐
BSBLM20C	c) I need to do well in mathematics to get into the <university> of my choice	☐	☐	☐	☐
BSBLM20D	d) I need to do well in mathematics to get the job I want	☐	☐	☐	☐
BSBLM20E	e) I would like a job that involves using mathematics	☐	☐	☐	☐
BSBLM20F	f) It is important to learn about mathematics to get ahead in the world	☐	☐	☐	☐
BSBLM20G	g) Learning mathematics will give me more job opportunities when I am an adult	☐	☐	☐	☐
BSBLM20H	h) My parents think that it is important that I do well in mathematics	☐	☐	☐	☐
BSBLM20I	i) It is important to do well in mathematics	☐	☐	☐	☐

Biology in School

21

Are you studying biology in school this year?

BSBLB21

Fill **one** circle only.

Yes -- ☐

No -- ☐ 

(If No, go to #27)

22

In biology lessons, how often does your teacher ask you to conduct biology experiments?

BSBLB22

Fill **one** circle only.

At least once a week -- ☐

Once or twice a month -- ☐

A few times a year -- ☐

Never -- ☐

23

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLB23A	a) I enjoy learning biology	☐	☐	☐	☐
BSBLB23B	b) I learn many interesting things in biology	☐	☐	☐	☐
BSBLB23C	c) I like biology	☐	☐	☐	☐
BSBLB23D	d) I look forward to learning biology in school	☐	☐	☐	☐
BSBLB23E	e) Biology teaches me how things in the world work	☐	☐	☐	☐
BSBLB23F	f) I like to conduct biology experiments	☐	☐	☐	☐
BSBLB23G	g) Biology is one of my favorite subjects	☐	☐	☐	☐

How much do you agree with these statements about your biology lessons?

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLB24A	a) My teacher makes it clear what we should learn in each lesson-----	☐	☐	☐	☐
BSBLB24B	b) My teacher is easy to understand --	☐	☐	☐	☐
BSBLB24C	c) My teacher has clear answers to my questions -----	☐	☐	☐	☐
BSBLB24D	d) My teacher is good at explaining biology -----	☐	☐	☐	☐
BSBLB24E	e) My teacher does a variety of things to help us learn -----	☐	☐	☐	☐
BSBLB24F	f) My teacher explains a topic again when we don't understand ---	☐	☐	☐	☐
BSBLB24G	g) My teacher gives me helpful feedback on my work -----	☐	☐	☐	☐
BSBLB24H	h) My teacher asks me to show what I have learned -----	☐	☐	☐	☐
BSBLB24I	i) My teacher asks me to explain my answers -----	☐	☐	☐	☐
BSBLB24J	j) My teacher asks us to apply what we have learned in new situations -----	☐	☐	☐	☐

How often do these things happen in your biology lessons?

Fill **one** circle for each line.

		Every or almost every lesson	About half the lessons	Some lessons	Never
BSBLB25A	a) Students don't listen to what the teacher says	☐	☐	☐	☐
BSBLB25B	b) There is too much noise for students to work well	☐	☐	☐	☐
BSBLB25C	c) My teacher has to wait a long time for students to be quiet	☐	☐	☐	☐
BSBLB25D	d) Students interrupt the teacher	☐	☐	☐	☐
BSBLB25E	e) Students do not follow the classroom rules	☐	☐	☐	☐
BSBLB25F	f) Other students' behavior makes it hard for me to concentrate	☐	☐	☐	☐

26

How much do you agree with these statements about biology?

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLB26A	a) I usually do well in biology	☐	☐	☐	☐
BSBLB26B	b) Biology is harder for me than for many of my classmates ----	☐	☐	☐	☐
BSBLB26C	c) Biology is not one of my strengths	☐	☐	☐	☐
BSBLB26D	d) Biology is easy for me.....	☐	☐	☐	☐
BSBLB26E	e) I am good at working out difficult biology problems	☐	☐	☐	☐
BSBLB26F	f) I am good at explaining biology to others	☐	☐	☐	☐
BSBLB26G	g) Biology is harder for me than any other subject	☐	☐	☐	☐
BSBLB26H	h) Biology makes me confused	☐	☐	☐	☐

Earth Science in School

27

Are you studying earth science in school this year?

BSBLE27

Fill **one** circle only.

Yes -- ☐

No -- ☐ 

(If No, go to #33)

28

In earth science lessons, how often does your teacher ask you to conduct earth science experiments?

BSBLE28

Fill **one** circle only.

At least once a week -- ☐

Once or twice a month -- ☐

A few times a year -- ☐

Never -- ☐

29

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

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLE29A	a) I enjoy learning earth science	☐	☐	☐	☐
BSBLE29B	b) I learn many interesting things in earth science	☐	☐	☐	☐
BSBLE29C	c) I like earth science	☐	☐	☐	☐
BSBLE29D	d) I look forward to learning earth science in school	☐	☐	☐	☐
BSBLE29E	e) Earth science teaches me how things in the world work	☐	☐	☐	☐
BSBLE29F	f) I like to conduct earth science experiments	☐	☐	☐	☐
BSBLE29G	g) Earth science is one of my favorite subjects	☐	☐	☐	☐

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLE30A	a) My teacher makes it clear what we should learn in each lesson -----	☐	☐	☐	☐
BSBLE30B	b) My teacher is easy to understand --	☐	☐	☐	☐
BSBLE30C	c) My teacher has clear answers to my questions -----	☐	☐	☐	☐
BSBLE30D	d) My teacher is good at explaining earth science -----	☐	☐	☐	☐
BSBLE30E	e) My teacher does a variety of things to help us learn -----	☐	☐	☐	☐
BSBLE30F	f) My teacher explains a topic again when we don't understand ---	☐	☐	☐	☐
BSBLE30G	g) My teacher gives me helpful feedback on my work -----	☐	☐	☐	☐
BSBLE30H	h) My teacher asks me to show what I have learned -----	☐	☐	☐	☐
BSBLE30I	i) My teacher asks me to explain my answers -----	☐	☐	☐	☐
BSBLE30J	j) My teacher asks us to apply what we have learned in new situations -----	☐	☐	☐	☐

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

Fill **one** circle for each line.

		Every or almost every lesson	About half the lessons	Some lessons	Never
BSBLE31A	a) Students don't listen to what the teacher says	☐	☐	☐	☐
BSBLE31B	b) There is too much noise for students to work well	☐	☐	☐	☐
BSBLE31C	c) My teacher has to wait a long time for students to be quiet	☐	☐	☐	☐
BSBLE31D	d) Students interrupt the teacher	☐	☐	☐	☐
BSBLE31E	e) Students do not follow the classroom rules	☐	☐	☐	☐
BSBLE31F	f) Other students' behavior makes it hard for me to concentrate	☐	☐	☐	☐

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLE32A	a) I usually do well in earth science --	☐	☐	☐	☐
BSBLE32B	b) Earth science is harder for me than for many of my classmates	☐	☐	☐	☐
BSBLE32C	c) Earth science is not one of my strengths	☐	☐	☐	☐
BSBLE32D	d) Earth science is easy for me	☐	☐	☐	☐
BSBLE32E	e) I am good at working out difficult earth science problems	☐	☐	☐	☐
BSBLE32F	f) I am good at explaining earth science to others	☐	☐	☐	☐
BSBLE32G	g) Earth science is harder for me than any other subject	☐	☐	☐	☐
BSBLE32H	h) Earth science makes me confused	☐	☐	☐	☐

Chemistry in School

33

Are you studying chemistry in school this year?

BSBLC33

*Fill **one** circle only.*

Yes -- ☐

No -- ☐ 

(If No, go to #39)

34

In chemistry lessons, how often does your teacher ask you to conduct chemistry experiments?

BSBLC34

*Fill **one** circle only.*

At least once a week -- ☐

Once or twice a month -- ☐

A few times a year -- ☐

Never -- ☐

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLC35A	a) I enjoy learning chemistry	☐	☐	☐	☐
BSBLC35B	b) I learn many interesting things in chemistry	☐	☐	☐	☐
BSBLC35C	c) I like chemistry	☐	☐	☐	☐
BSBLC35D	d) I look forward to learning chemistry in school	☐	☐	☐	☐
BSBLC35E	e) Chemistry teaches me how things in the world work	☐	☐	☐	☐
BSBLC35F	f) I like to conduct chemistry experiments	☐	☐	☐	☐
BSBLC35G	g) Chemistry is one of my favorite subjects	☐	☐	☐	☐

How much do you agree with these statements about your chemistry lessons?

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLC36A	a) My teacher makes it clear what we should learn in each lesson-----	☐	☐	☐	☐
BSBLC36B	b) My teacher is easy to understand --	☐	☐	☐	☐
BSBLC36C	c) My teacher has clear answers to my questions -----	☐	☐	☐	☐
BSBLC36D	d) My teacher is good at explaining chemistry -----	☐	☐	☐	☐
BSBLC36E	e) My teacher does a variety of things to help us learn -----	☐	☐	☐	☐
BSBLC36F	f) My teacher explains a topic again when we don't understand ---	☐	☐	☐	☐
BSBLC36G	g) My teacher gives me helpful feedback on my work -----	☐	☐	☐	☐
BSBLC36H	h) My teacher asks me to show what I have learned -----	☐	☐	☐	☐
BSBLC36I	i) My teacher asks me to explain my answers -----	☐	☐	☐	☐
BSBLC36J	j) My teacher asks us to apply what we have learned in new situations -----	☐	☐	☐	☐

How often do these things happen in your chemistry lessons?

Fill **one** circle for each line.

		Every or almost every lesson	About half the lessons	Some lessons	Never
BSBLC37A	a) Students don't listen to what the teacher says	☐	☐	☐	☐
BSBLC37B	b) There is too much noise for students to work well	☐	☐	☐	☐
BSBLC37C	c) My teacher has to wait a long time for students to be quiet	☐	☐	☐	☐
BSBLC37D	d) Students interrupt the teacher	☐	☐	☐	☐
BSBLC37E	e) Students do not follow the classroom rules	☐	☐	☐	☐
BSBLC37F	f) Other students' behavior makes it hard for me to concentrate	☐	☐	☐	☐

How much do you agree with these statements about chemistry?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLC38A	a) I usually do well in chemistry	☐	☐	☐	☐
BSBLC38B	b) Chemistry is harder for me than for many of my classmates ----	☐	☐	☐	☐
BSBLC38C	c) Chemistry is not one of my strengths	☐	☐	☐	☐
BSBLC38D	d) Chemistry is easy for me	☐	☐	☐	☐
BSBLC38E	e) I am good at working out difficult chemistry problems	☐	☐	☐	☐
BSBLC38F	f) I am good at explaining chemistry to others	☐	☐	☐	☐
BSBLC38G	g) Chemistry is harder for me than any other subject	☐	☐	☐	☐
BSBLC38H	h) Chemistry makes me confused ----	☐	☐	☐	☐

39

Are you studying physics in school this year?

BSBLP39

*Fill **one** circle only.*

Yes -- ☐

No -- ☐ 

(If No, go to #45)

40

In physics lessons, how often does your teacher ask you to conduct physics experiments?

BSBLP40

*Fill **one** circle only.*

At least once a week -- ☐

Once or twice a month -- ☐

A few times a year -- ☐

Never -- ☐

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLP41A	a) I enjoy learning physics	☐	☐	☐	☐
BSBLP41B	b) I learn many interesting things in physics	☐	☐	☐	☐
BSBLP41C	c) I like physics	☐	☐	☐	☐
BSBLP41D	d) I look forward to learning physics in school	☐	☐	☐	☐
BSBLP41E	e) Physics teaches me how things in the world work	☐	☐	☐	☐
BSBLP41F	f) I like to conduct physics experiments	☐	☐	☐	☐
BSBLP41G	g) Physics is one of my favorite subjects	☐	☐	☐	☐

How much do you agree with these statements about your physics lessons?

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLP42A	a) My teacher makes it clear what we should learn in each lesson-----	☐	☐	☐	☐
BSBLP42B	b) My teacher is easy to understand --	☐	☐	☐	☐
BSBLP42C	c) My teacher has clear answers to my questions -----	☐	☐	☐	☐
BSBLP42D	d) My teacher is good at explaining physics -----	☐	☐	☐	☐
BSBLP42E	e) My teacher does a variety of things to help us learn -----	☐	☐	☐	☐
BSBLP42F	f) My teacher explains a topic again when we don't understand ---	☐	☐	☐	☐
BSBLP42G	g) My teacher gives me helpful feedback on my work -----	☐	☐	☐	☐
BSBLP42H	h) My teacher asks me to show what I have learned -----	☐	☐	☐	☐
BSBLP42I	i) My teacher asks me to explain my answers -----	☐	☐	☐	☐
BSBLP42J	j) My teacher asks us to apply what we have learned in new situations -----	☐	☐	☐	☐

How often do these things happen in your physics lessons?

Fill **one** circle for each line.

		Every or almost every lesson	About half the lessons	Some lessons	Never
BSBLP43A	a) Students don't listen to what the teacher says	☐	☐	☐	☐
BSBLP43B	b) There is too much noise for students to work well	☐	☐	☐	☐
BSBLP43C	c) My teacher has to wait a long time for students to be quiet	☐	☐	☐	☐
BSBLP43D	d) Students interrupt the teacher	☐	☐	☐	☐
BSBLP43E	e) Students do not follow the classroom rules	☐	☐	☐	☐
BSBLP43F	f) Other students' behavior makes it hard for me to concentrate	☐	☐	☐	☐

How much do you agree with these statements about physics?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLP44A	a) I usually do well in physics	☐	☐	☐	☐
BSBLP44B	b) Physics is harder for me than for many of my classmates ----	☐	☐	☐	☐
BSBLP44C	c) Physics is not one of my strengths	☐	☐	☐	☐
BSBLP44D	d) Physics is easy for me	☐	☐	☐	☐
BSBLP44E	e) I am good at working out difficult physics problems	☐	☐	☐	☐
BSBLP44F	f) I am good at explaining physics to others	☐	☐	☐	☐
BSBLP44G	g) Physics is harder for me than any other subject	☐	☐	☐	☐
BSBLP44H	h) Physics makes me confused	☐	☐	☐	☐

45

How much do you agree with these statements about science (including biology, earth science, chemistry, and physics)?

*Fill **one** circle for each line.*

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLS45A	a) I think learning science will help me in my daily life	☐	☐	☐	☐
BSBLS45B	b) I need science to learn other school subjects	☐	☐	☐	☐
BSBLS45C	c) I need to do well in science to get into the <university> of my choice -	☐	☐	☐	☐
BSBLS45D	d) I need to do well in science to get the job I want	☐	☐	☐	☐
BSBLS45E	e) I would like a job that involves using science	☐	☐	☐	☐
BSBLS45F	f) It is important to learn about science to get ahead in the world	☐	☐	☐	☐
BSBLS45G	g) Learning science will give me more job opportunities when I am an adult	☐	☐	☐	☐
BSBLS45H	h) My parents think that it is important that I do well in science	☐	☐	☐	☐
BSBLS45I	i) It is important to do well in science	☐	☐	☐	☐

Homework

46

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

*Fill **one** circle for each line.*

		Every day	3 or 4 times a week	1 or 2 times a week	Less than once a week	Never
BSBLM46A	a) Mathematics	☐	☐	☐	☐	☐
BSBLB46B	b) Biology	☐	☐	☐	☐	☐
BSBLE46C	c) Earth science	☐	☐	☐	☐	☐
BSBLC46D	d) Chemistry	☐	☐	☐	☐	☐
BSBLP46E	e) Physics	☐	☐	☐	☐	☐

If your teacher “Never” gives you homework in these subjects, thank you for completing this questionnaire!

47

When your teacher gives you homework in the following subjects, about how much time do you usually spend on your homework?

*Fill **one** circle for each line.*

		30 minutes or less	31-60 minutes	More than 60 minutes
BSBLM47A	a) Mathematics	☐	☐	☐
BSBLB47B	b) Biology	☐	☐	☐
BSBLE47C	c) Earth science	☐	☐	☐
BSBLC47D	d) Chemistry	☐	☐	☐
BSBLP47E	e) Physics	☐	☐	☐

48

How much do you agree with these statements about your mathematics homework?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLM48A	a) My teacher gives us interesting mathematics homework	☐	☐	☐	☐
BSBLM48B	b) Mathematics homework helps me understand the material better	☐	☐	☐	☐
BSBLM48C	c) I try my best on my mathematics homework	☐	☐	☐	☐

49

How much do you agree with these statements about your biology homework?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLB49A	a) My teacher gives us interesting biology homework	☐	☐	☐	☐
BSBLB49B	b) Biology homework helps me understand the material better	☐	☐	☐	☐
BSBLB49C	c) I try my best on my biology homework	☐	☐	☐	☐

50

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

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLE50A	a) My teacher gives us interesting earth science homework	☐	☐	☐	☐
BSBLE50B	b) Earth science homework helps me understand the material better	☐	☐	☐	☐
BSBLE50C	c) I try my best on my earth science homework	☐	☐	☐	☐

51

How much do you agree with these statements about your chemistry homework?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLC51A	a) My teacher gives us interesting chemistry homework	☐	☐	☐	☐
BSBLC51B	b) Chemistry homework helps me understand the material better	☐	☐	☐	☐
BSBLC51C	c) I try my best on my chemistry homework	☐	☐	☐	☐

How much do you agree with these statements about your physics homework?

Fill **one** circle for each line.

		Agree a lot	Agree a little	Disagree a little	Disagree a lot
BSBLP52A	a) My teacher gives us interesting physics homework	☐	☐	☐	☐
BSBLP52B	b) Physics homework helps me understand the material better	☐	☐	☐	☐
BSBLP52C	c) I try my best on my physics homework	☐	☐	☐	☐

Thank You!

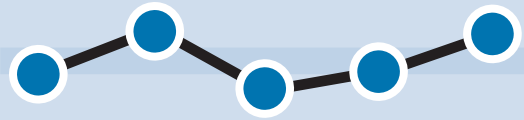
Thank you for filling out the questionnaire!



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