



Identification Label

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

Student Questionnaire

Separate Science Subjects

<Grade 8>

<TIMSS National Research Center Name>

<Address>

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 or almost every day	Once or twice a week	Once or twice a month	Never or almost never
a) I talk with my friends	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I play sports	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I ride a skateboard	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

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	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I like eating ice cream	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I do not like waking up early	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
d) I enjoy doing chores	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

- 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.

About you

1

Are you a girl or a boy?

*Fill **one** circle only.*

Girl --

Boy --

2

When were you born?

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

a) Month

January --

February --

March --

April --

May --

June --

July --

August --

September --

October --

November --

December --

b) Year

2001 --

2002 --

2003 --

2004 --

2005 --

2006 --

2007 --

2008 --

2009 --

Other --

3

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

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.)

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 |
|---|-----------------------|-----------------------|
| a) A computer or tablet | <input type="radio"/> | <input type="radio"/> |
| b) Study desk/table for your use | <input type="radio"/> | <input type="radio"/> |
| c) Your own room..... | <input type="radio"/> | <input type="radio"/> |
| d) Internet connection | <input type="radio"/> | <input type="radio"/> |
| e) Your own mobile phone | <input type="radio"/> | <input type="radio"/> |
| f) <country-specific indicator of wealth> | <input type="radio"/> | <input type="radio"/> |
| g) <country-specific indicator of wealth> | <input type="radio"/> | <input type="radio"/> |
| h) <country-specific indicator of wealth> | <input type="radio"/> | <input type="radio"/> |
| i) <country-specific indicator of wealth> | <input type="radio"/> | <input type="radio"/> |

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>?

A. <Parent/Guardian A>

Fill one circle only.

- 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 --

6 (continued)

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

B. <Parent/Guardian B>

*Fill **one** circle only.*

- 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?

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

Were your <parents/guardians> born in <country>?

A. <Parent/Guardian A>

Fill one circle only.

Yes --

No --

I don't know --

Not applicable --

B. <Parent/Guardian B>

Fill one circle only.

Yes --

No --

I don't know --

Not applicable --

9

A. Were you born in <country>?

Fill one circle only.

Yes --

(If Yes, go to #10)

No --

If No,

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

Fill one circle only.

Older than 10 years old --

5 to 10 years old --

Younger than 5 years old --

10

About how often are you absent from school?

Fill one circle only.

Once a week --

Once every two weeks --

Once a month --

Once every two months --

Never or almost never --

11

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
a) I feel tired	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I feel hungry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12

Do you use the Internet to do any of the following tasks for schoolwork (including classroom tasks, homework, studying outside of class)?

Fill **one** circle for each line.

	Yes	No
a) Access the textbook or other course materials	<input type="radio"/>	<input type="radio"/>
b) Access assignments posted online by my teacher	<input type="radio"/>	<input type="radio"/>
c) Collaborate with classmates on assignments or projects	<input type="radio"/>	<input type="radio"/>
d) Communicate with the teacher	<input type="radio"/>	<input type="radio"/>
e) Find information, articles, or tutorials to aid in understanding mathematics or science	<input type="radio"/>	<input type="radio"/>
f) Access learning games or activities related to mathematics or science	<input type="radio"/>	<input type="radio"/>

Your School

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
a) I like being in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I feel safe when I am at school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I feel like I belong at this school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Teachers at my school are fair to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I am proud to go to this school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14

During this school year, how often have other students from your school done any of the following things to you, including through texting or the Internet?

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

	At least once a week	Once or twice a month	A few times a year	Never
a) Said mean things about my physical appearance (e.g., my hair, my size)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Spread lies about me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Shared my secrets with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Refused to talk to me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Insulted a member of my family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) Stole something from me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Made me do things I didn't want to do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Sent me nasty or hurtful messages online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Shared nasty or hurtful things about me online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
j) Shared embarrassing photos of me online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
k) Threatened me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
l) Physically hurt me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
m) Excluded me from their group (e.g., parties, messaging)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
n) Damaged something of mine on purpose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15

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

*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
a) I enjoy learning mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Mathematics is boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I like any schoolwork that involves numbers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) I like to solve mathematics problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I look forward to mathematics class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Mathematics is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17

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
a) I know what my teacher expects me to do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher links new lessons to what I already know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher explains a topic again when we don't understand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18

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
a) Students don't listen to what the teacher says -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) There is disruptive noise -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) It is too disorderly for students to work well -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher has to wait a long time for students to quiet down -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Students interrupt the teacher -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher has to keep telling us to follow the classroom rules -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| a) I usually do well in mathematics --- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) Mathematics is more difficult for me than for many of my classmates ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) Mathematics is not one of my strengths ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) I learn things quickly in mathematics ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e) Mathematics makes me nervous ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f) I am good at working out difficult mathematics problems ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| g) My teacher tells me I am good at mathematics ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| h) Mathematics is harder for me than any other subject ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| i) Mathematics makes me confused ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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

Biology in School

21

Are you studying biology in school this year?

Fill one circle only.

Yes --

No -- 

(If No, go to #26)

22

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

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
a) I enjoy learning biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Biology is boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I look forward to learning biology in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Biology teaches me how things in the world work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I like to conduct biology experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Biology is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24

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
a) I know what my teacher expects me to do -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining biology -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher links new lessons to what I already know -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25

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
a) I usually do well in biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Biology is more difficult for me than for many of my classmates ----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Biology is not one of my strengths	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn things quickly in biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I am good at working out difficult biology problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher tells me I am good at biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Biology is harder for me than any other subject	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Biology makes me confused	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Earth Science in School

26

Are you studying earth science in school this year?

*Fill **one** circle only.*

Yes --

No -- 

(If No, go to #31)

27

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

*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 earth science?

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

	Agree a lot	Agree a little	Disagree a little	Disagree a lot
a) I enjoy learning earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Earth science is boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I look forward to learning earth science in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Earth science teaches me how things in the world work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I like to conduct earth science experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Earth science is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

29

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
a) I know what my teacher expects me to do -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining earth science -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher links new lessons to what I already know -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

30

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
a) I usually do well in earth science --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Earth science is more difficult for me than for many of my classmates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Earth science is not one of my strengths	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn things quickly in earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I am good at working out difficult earth science problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher tells me I am good at earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Earth science is harder for me than any other subject	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) Earth science makes me confused	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Chemistry in School

31

Are you studying chemistry in school this year?

*Fill **one** circle only.*

Yes --

No -- 

(If No, go to #36)

32

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

*Fill **one** circle only.*

At least once a week --

Once or twice a month --

A few times a year --

Never --

33

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
a) I enjoy learning chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Chemistry is boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I look forward to learning chemistry in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Chemistry teaches me how things in the world work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I like to conduct chemistry experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Chemistry is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

34

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
a) I know what my teacher expects me to do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher links new lessons to what I already know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| a) I usually do well in chemistry ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) Chemistry is more difficult for me
than for many of my classmates ---- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) Chemistry is not one of
my strengths ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) I learn things quickly
in chemistry ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e) I am good at working out
difficult chemistry problems ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f) My teacher tells me I am good
at chemistry ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| g) Chemistry is harder for me than
any other subject ----- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| h) Chemistry makes me confused ---- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Physics in School

36

Are you studying physics in school this year?

Fill one circle only.

Yes --

No -- 

(If No, go to #41)

37

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

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
a) I enjoy learning physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I wish I did not have to study physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Physics is boring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I learn many interesting things in physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I like physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) I look forward to learning physics in school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Physics teaches me how things in the world work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) I like to conduct physics experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) Physics is one of my favorite subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

39

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
a) I know what my teacher expects me to do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) My teacher is easy to understand --	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) My teacher has clear answers to my questions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) My teacher is good at explaining physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) My teacher does a variety of things to help us learn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) My teacher links new lessons to what I already know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) My teacher explains a topic again when we don't understand ---	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| a) I usually do well in physics | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| b) Physics is more difficult for me
than for many of my classmates ---- | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c) Physics is not one of
my strengths | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| d) I learn things quickly
in physics | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| e) I am good at working out
difficult physics problems | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| f) My teacher tells me I am good
at physics | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| g) Physics is harder for me than
any other subject | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| h) Physics makes me confused | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Learning Science

41

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
a) I think learning science will help me in my daily life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) I need science to learn other school subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) I need to do well in science to get into the <university> of my choice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) I need to do well in science to get the job I want	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) I would like a job that involves using science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f) It is important to learn about science to get ahead in the world	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g) Learning science will give me more job opportunities when I am an adult	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h) My parents think that it is important that I do well in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i) It is important to do well in science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Homework

42

A. How often does your teacher give you homework in each of 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
a) Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

B. When your teacher gives you homework in each of the following subjects, about how many minutes do you usually spend on your homework?

Fill one circle for each line.

	My teacher never gives me homework in...	1-15 minutes	16-30 minutes	31-60 minutes	61-90 minutes	More than 90 minutes
a) Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Earth science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e) Physics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

43

A. During the last 12 months, have you attended extra lessons or tutoring not provided by the school in the following subjects?

Fill one circle for each line.

	Yes, to excel in class	Yes, to keep up in class	No
a) Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Science (including biology, earth science, chemistry, and physics)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

B. For how many of the last 12 months have you attended extra lessons or tutoring?

Fill one circle for each line.

	Did not attend	Less than 4 months	4-8 months	More than 8 months
a) Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Science (including biology, earth science, chemistry, and physics)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Thank You!

Thank you for filling out the questionnaire!



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<Grade 8>



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