

# OECD Programme for International Student Assessment 2015

## Student Questionnaire

**Lebanon**

**Date of Test ( Main Study PISA 2015)**

		2015
<b>Day</b>	<b>Month</b>	

School Name

Student ID

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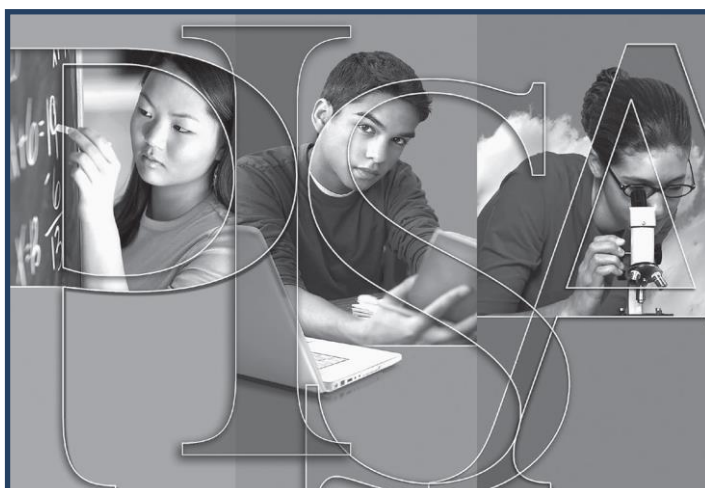
Student Name

Family name		Given name	
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Date of Birth

		/			/	19
<b>Day</b>			<b>Month</b>			<b>Year</b>

English 313



- cApStAn Linguistic Quality Control (Belgium)
- Deutsches Institut für Internationale Pädagogische Forschung (Germany)
- Educational Testing Service (USA)
- Pearson (UK)
- Statistics Canada (Canada)
- The Tao Initiative: CRP - Henri Tudor and Université de Luxembourg
- Westat (USA)

In this questionnaire you will find questions about the following topics:

- You, your family, and your home
- How you think about your life and health
- Your school
- Your school schedule and learning time
- School Science learning in School
- Your view on Science

Please read each question carefully and answer as accurately as you can.

**In this questionnaire, there are no right or wrong answers. Your answers should be the ones that are right for yourself.**

You may ask for help if you do not understand something or you are not sure how to answer a question.

Some questions relate to school science. Please think of all the different subjects and courses in your school that teach content related to broad science. Your school might teach school science in different subjects such as physics, chemistry, biology, Earth and geology, space and astronomy, applied sciences and technology, or your school teaches a general, integrated science course.

**Your answers will be combined with others to make totals and averages in which no individual can be identified. All your answers will be kept confidential.**

## **1. YOU, YOUR FAMILY, AND YOUR HOME**

**ST001      What grade are you in?**

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*grade*

**ST002      Which one of the following programmes are you in?**

*(Please select one response.)*

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| Cycle 3 basic Education          | <input type="checkbox"/> <b>1</b> |
| Professional Brevet (BP)         | <input type="checkbox"/> <b>2</b> |
| Secondary cycle                  | <input type="checkbox"/> <b>3</b> |
| Technical Baccalaureate (BT)     | <input type="checkbox"/> <b>4</b> |
| Secondary Professional Education | <input type="checkbox"/> <b>5</b> |

**ST003      On what date were you born?**

*(Please write in the day, month and year you were born.)*

Day \_\_\_\_\_

Month \_\_\_\_\_

Year \_\_\_\_\_

**ST004      Are you female or male?**

*(Please select one response.)*

*Female*

*Male*

☐ <sub>1</sub>☐ <sub>2</sub>

**ST005      What is the highest level of schooling completed by your mother?**

*If you are not sure which box to choose, please ask the test administrator for help.*

*(Please select one response.)*

Secondary Level

☐ <sub>1</sub>

General Baccalaureate, Technical Baccalaureate, Licence

☐ <sub>2</sub>

Cycle 3, professional aptitude certificate "C.A.P",  
professional baccalaureate "B.P."

☐ <sub>3</sub>

Cycle1 or Cycle 2 (Primary Education)

☐ <sub>4</sub>

She did not complete Cycle 1 or Cycle 2 (primary education)

☐ <sub>5</sub>

**ST006 Does your mother have any of the following qualifications?**

*If you are not sure how to answer this question, please ask the test administrator for help.*

*(Please select one response in each row.)*

	Yes	No
PhD	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Master, Doctor in Medicine, Advanced Studies Diploma	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Technical License, Specialized Studies Diploma,	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Technical Teaching License, Specialized Superior Studies	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>

**ST007 What is the highest level of schooling completed by your father?**

*If you are not sure which box to choose, please ask the test administrator for help.*

*(Please select one response.)*

Secondary Level	<input type="checkbox"/> <sub>1</sub>
Technical Baccalaureate, General Baccalaureate, License	<input type="checkbox"/> <sub>2</sub>
Cycle 3, "C.A.P", "BP"	<input type="checkbox"/> <sub>3</sub>
Cycle 1 or Cycle 2 (Primary Education)	<input type="checkbox"/> <sub>4</sub>
He did not complete the primary education	<input type="checkbox"/> <sub>5</sub>

**ST008 Does your father have any of the following qualifications?**

**If you are not sure how to answer this question, please ask the test administrator for help.**

**(Please select one response in each row.)**

	<i>Yes</i>	<i>No</i>
PhD	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Master, Doctor in Medicine, Advanced Studies Diploma (DEA)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Technical License (TS), Specialized Studies Diploma (DES),	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Technical Teaching License (LET), Specialized Superior Studies (DESS)	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>2</sub>



**ST011 Which of the following are in your home?**

*(Please select one response in each row.)*

	Yes	No
A desk to study at	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
A room of your own	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
A quiet place to study	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
A computer you can use for school work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Educational software	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
A link to the Internet	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Classic literature (e.g. Shakespeare)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Books of poetry	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Works of art (e.g. paintings)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Books to help with your school work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Technical reference books	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
A dictionary	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
DVD player	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Flat screen TV / plasma / LCD	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Cable TV / paid / satellite	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
Books on art, music, or design	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>

**ST012     How many of these are there at your home?**

*(Please select one response in each row.)*

	<i>None</i>	<i>One</i>	<i>Two</i>	<i>Three or more</i>
Televisions	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Cars	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Rooms with a bath or shower	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Cell phones with Internet access (e.g. smartphones)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Computers (desktop computer, portable laptop, or notebook)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
E-book readers (e.g. Kindle™, Kobo, Bookeen)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Musical instruments (e.g. guitar, piano)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST013      How many books are there in your home?**

*There are usually about 40 books per metre of shelving. Do not include magazines, newspapers, or your schoolbooks.*

*(Please select one response.)*

- |                     |                                       |
|---------------------|---------------------------------------|
| 0-10 books          | <input type="checkbox"/> <sub>1</sub> |
| 11-25 books         | <input type="checkbox"/> <sub>2</sub> |
| 26-100 books        | <input type="checkbox"/> <sub>3</sub> |
| 101-200 books       | <input type="checkbox"/> <sub>4</sub> |
| 201-500 books       | <input type="checkbox"/> <sub>5</sub> |
| More than 500 books | <input type="checkbox"/> <sub>6</sub> |

**ST014      The following two questions concern your mother's job:**

*(If she is not working now, please tell us her last main job.)*

What is your mother's main job?  
(e.g. school teacher, kitchen-hand, sales manager)

*Please write in the job title.* \_\_\_\_\_

What does your mother do in her main job?  
(e.g. teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team)

*Please use a sentence to describe the kind of work she does or did in that job.*

\_\_\_\_\_

**ST015      The following two questions concern your father's job:**

*(If he is not working now, please tell us his last main job.)*

What is your father's main job?  
(e.g. school teacher, kitchen-hand, sales manager)

*Please write in the job title.* \_\_\_\_\_

What does your father do in his main job?  
(e.g. teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team)

*Please use a sentence to describe the kind of work he does or did in that job.*

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**ST019      In what country were you and your parents born?**

*(Please select one response in each column.)*

	<i>You</i>	<i>Mother</i>	<i>Father</i>
Lebanon	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>1</b>
Other country	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>2</b>

**ST022      What language do you speak at home most of the time?**

*(Please select one response.)*

Arabic ☐ <sub>1</sub>

French ☐ <sub>2</sub>

English ☐ <sub>3</sub>

Other language ☐ <sub>4</sub>

**ST124      Did you attend Preschool Education?**

*(Please select one response.)*

No ☐ <sub>1</sub>

Yes, for one year or less ☐ <sub>2</sub>

Yes, for more than one year ☐ <sub>3</sub>

**ST126      How old were you when you started primary school?**

*(Please write in the appropriate number.)*

Years: \_\_\_\_\_

**ST127      Have you ever repeated a grade?**

*(Please select one response in each row.)*

	<i>No, never</i>	<i>Yes, once</i>	<i>Yes, twice or more</i>
At cycle 1 or cycle 2 (primary Education)	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>
At cycle 3(complementary level), C.A.P, BP	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>
At Secondary Level, Technical Baccalaureate (BT), General Baccalaureate	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>

## 2. HOW YOU THINK ABOUT YOUR LIFE

**ST114      What kind of job do you expect to have when you are about 30 years old?**

*(Please write in the job title.)*

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### 3. YOUR SCHOOL

**ST034**      **Thinking about your school: to what extent do you agree with the following statements?**

*(Please select one response in each row.)*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
I feel like an outsider (or left out of things) at school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I make friends easily at school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I feel like I belong at school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I feel awkward and out of place in my school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Other students seem to like me.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I feel lonely at school.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

#### **4. SCHOOL SCIENCE LEARNING IN SCHOOL**

**ST059      How many class periods per week are you typically required to attend for the following subjects?**

*(Please write in the number of class periods per week for each subject. Write “0” (zero) if you have none.)*

Number of class periods per week in test language \_\_\_\_\_

Number of class periods per week in mathematics \_\_\_\_\_

Number of class periods per week in science \_\_\_\_\_

**ST063**      **Which of the following school science courses did you attend this school year or last school year?**

*(Please select all that apply in each row.)*

	<i>This year</i>	<i>Last year</i>
Physics	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
Chemistry	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
Biology	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
Earth and space	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
Applied sciences and technology (e. g. Technology)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
General or integrated science course (e.g. Integrated Science)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>

**ST097      How often do these things happen in your school science lessons?**

*(Please select one response in each row.)*

	<i>Every lesson</i>	<i>Most lessons</i>	<i>Some lessons</i>	<i>Never or hardly ever</i>
Students don't listen to what the teacher says.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
There is noise and disorder.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
The teacher has to wait a long time for students to quiet down.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
Students cannot work well.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
Students don't start working for a long time after the lesson begins.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>

**ST098**      **When learning school science topics at school, how often do the following activities occur?**

*(Please select one response in each row.)*

	<i>In all lessons</i>	<i>In most lessons</i>	<i>In some lessons</i>	<i>Never or hardly ever</i>
Students are given opportunities to explain their ideas.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Students spend time in the laboratory doing practical experiments.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Students are required to argue about science questions.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Students are asked to draw conclusions from an experiment they have conducted.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher explains how a school science idea can be applied to a number of different phenomena (e.g. the movement of objects, substances with similar properties).	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Students are allowed to design their own experiments.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
There is a class debate about investigations.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher clearly explains the relevance of broad science concepts to our lives.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Students are asked to do an investigation to test ideas.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST065**     *When answering the following questions, please keep one of your current school science courses in mind all the time.  
You are free to choose which course this should be.*

**What is the name of this school science course?**

*(Please write in the name of the course.)*

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**ST100**

**How often do these things happen in your school science lessons?**

*(Please select one response in each row.)*

	<i>Every lesson</i>	<i>Most lessons</i>	<i>Some lessons</i>	<i>Never or hardly ever</i>
The teacher shows an interest in every student's learning.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
The teacher gives extra help when students need it.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
The teacher helps students with their learning.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
The teacher continues teaching until the students understand.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>
The teacher gives students an opportunity to express opinions.	<input type="checkbox"/> <b>1</b>	<input type="checkbox"/> <b>2</b>	<input type="checkbox"/> <b>3</b>	<input type="checkbox"/> <b>4</b>

**ST103      How often do these things happen in your lessons for this school science course?**

*(Remember to answer this question in reference to the school science course you indicated earlier.)*

*(Please select one response in each row.)*

	<i>Never or almost never</i>	<i>Some lessons</i>	<i>Many lessons</i>	<i>Every lesson or almost every lesson</i>
The teacher explains scientific ideas.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
A whole class discussion takes place with the teacher.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher discusses our questions.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher demonstrates an idea.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST104      How often do these things happen in your lessons for this school science course?**

*(Remember to answer this question in reference to the school science course you indicated earlier.)*

*(Please select one response in each row.)*

	<i>Never or almost never</i>	<i>Some lessons</i>	<i>Many lessons</i>	<i>Every lesson or almost every lesson</i>
The teacher tells me how I am performing in this course.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher gives me feedback on my strengths in this school science subject.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher tells me in which areas I can still improve.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher tells me how I can improve my performance.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The teacher advises me on how to reach my learning goals.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

## 5- YOUR VIEW ABOUT SCIENCE

**ST092      How informed are you about the following environmental issues?**

*(Please select one response in each row.)*

	<i>I have never heard of this</i>	<i>I have heard about this but I would not be able to explain what it is really about</i>	<i>I know something about this and could explain the general issue</i>	<i>I am familiar with this and I would be able to explain this well</i>
The increase of greenhouse gases in the atmosphere	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The use of genetically modified organisms (GMO)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Nuclear waste	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The consequences of clearing forests for other land use	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Air pollution	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Extinction of plants and animals	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Water shortage	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST094**      **How much do you disagree or agree with the statements about yourself below?**

*(Please select one response in each row.)*

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
I generally have fun when I am learning broad science topics.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I like reading about broad science.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I am happy working on broad science topics.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I enjoy acquiring new knowledge in broad science.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
I am interested in learning about broad science.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST113      How much do you agree with the statements below?**

*(Please select one response in each row.)*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
Making an effort in my school science subject(s) is worth it because this will help me in the work I want to do later on.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
What I learn in my school science subject(s) is important for me because I need this for what I want to do later on.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Studying my school science subject(s) is worthwhile for me because what I learn will improve my career prospects.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Many things I learn in my school science subject(s) will help me to get a job.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**ST129**      **How easy do you think it would be for you to perform the following tasks on your own?**

*(Please select one response in each row.)*

	<i>I could do this easily</i>	<i>I could do this with a bit of effort</i>	<i>I would struggle to do this on my own</i>	<i>I couldn't do this</i>
Recognise the science question that underlies a newspaper report on a health issue.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Explain why earthquakes occur more frequently in some areas than in others.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Describe the role of antibiotics in the treatment of disease.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Identify the science question associated with the disposal of garbage.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Predict how changes to an environment will affect the survival of certain species.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Interpret the scientific information provided on the labelling of food items.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Discuss how new evidence can lead you to change your understanding about the possibility of life on Mars.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Identify the better of two explanations for the formation of acid rain.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>



ST131

**How much do you disagree or agree with the statements below?**

*(Please select one response in each row.)*

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
A good way to know if something is true is to do an experiment.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Ideas in broad science sometimes change.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Good answers are based on evidence from many different experiments.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
It is good to try experiments more than once to make sure of your findings.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
Sometimes broad science scientists change their minds about what is true in science.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
The ideas in broad science books sometimes change.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

***Thank you very much for your co-operation in completing this questionnaire!***