

# **STUDENT QUESTIONNAIRE FOR PISA 2015**

## **PAPER-BASED VERSION**

## **MAIN SURVEY VERSION**

*CY6\_QST\_MS\_STQ\_PBA\_Final*

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

- You, your family, and your home
- How you think about your life
- Your science learning
- 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 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 (e.g. <national example>), or your school teaches a <general, integrated, or comprehensive science> course (e.g. <national example>).

**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?**

ST001Q01TA

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*<grade>*

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

ST002Q01TA

*(Please select one response.)*

<Programme 1> ☐ <sub>1</sub>

<Programme 2> ☐ <sub>2</sub>

<Programme 3> ☐ <sub>3</sub>

<Programme 4> ☐ <sub>4</sub>

<Programme 5> ☐ <sub>5</sub>

<Programme 6> ☐ <sub>6</sub>

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

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

ST003Q01TA

Day

\_\_\_\_\_

ST003Q02TA

Month

\_\_\_\_\_

ST003Q03TA

Year

\_\_\_\_\_

**ST004     Are you female or male?**

ST004Q01TA     *(Please select one response.)*

*Female*

*Male*

☐\_1☐\_2

**ST005**

ST005Q01TA

**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.)*<ISCED level 3A> ☐ <sub>1</sub><ISCED level 3B, 3C> ☐ <sub>2</sub><ISCED level 2> ☐ <sub>3</sub><ISCED level 1> ☐ <sub>4</sub>She did not complete <ISCED level 1> ☐ <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
ST006Q01TA	<ISCED level 6>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST006Q02TA	<ISCED level 5A>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST006Q03TA	<ISCED level 5B>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST006Q04TA	<ISCED level 4>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>

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

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

ST014Q01TA

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

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

ST014Q02TA

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.*

\_\_\_\_\_

**ST007**

ST007Q01TA

**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.)*

<ISCED level 3A> ☐ <sub>1</sub>

<ISCED level 3B, 3C> ☐ <sub>2</sub>

<ISCED level 2> ☐ <sub>3</sub>

<ISCED level 1> ☐ <sub>4</sub>

He did not complete <ISCED level 1> ☐ <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.)*

		Yes	No
ST008Q01TA	<ISCED level 6>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST008Q02TA	<ISCED level 5A>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST008Q03TA	<ISCED level 5B>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST008Q04TA	<ISCED level 4>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>

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

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

ST015Q01TA

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

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

ST015Q02TA

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.*

\_\_\_\_\_

**ST011 Which of the following are in your home?***(Please select one response in each row.)*

		Yes	No
ST011Q01TA	A desk to study at	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q02TA	A room of your own	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q03TA	A quiet place to study	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q04TA	A computer you can use for school work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q05TA	Educational software	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q06TA	A link to the Internet	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q07TA	Classic literature (e.g. <Shakespeare>)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q08TA	Books of poetry	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q09TA	Works of art (e.g. paintings)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q10TA	Books to help with your school work	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q11TA	<Technical reference books>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q12TA	A dictionary	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q16NA	Books on art, music, or design	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q17TA	<Country-specific wealth item 1>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q18TA	<Country-specific wealth item 2>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>
ST011Q19TA	<Country-specific wealth item 3>	<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>
ST012Q01TA	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>
ST012Q02TA	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>
ST012Q03TA	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>
ST012Q05NA	<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>
ST012Q06NA	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>
ST012Q07NA	<Tablet computers> (e.g. <iPad <sup>®</sup> >, <BlackBerry <sup>®</sup> PlayBook <sup>™</sup> >)	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST012Q08NA	E-book readers (e.g. <Kindle <sup>™</sup> >, <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>
ST012Q09NA	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?**

ST013Q01TA

*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 ☐ <sub>1</sub>

11-25 books ☐ <sub>2</sub>

26-100 books ☐ <sub>3</sub>

101-200 books ☐ <sub>4</sub>

201-500 books ☐ <sub>5</sub>

More than 500 books ☐ <sub>6</sub>



**ST019 In what country were you and your parents born?***(Please select one response in each column.)*

	<i>You</i> ST019Q01TA	<i>Mother</i> ST019Q01TB	<i>Father</i> ST019Q01TC
<Country A>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>1</sub>
<Country B>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>2</sub>
<Country C>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>3</sub>
<Country D>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>4</sub>	<input type="checkbox"/> <sub>4</sub>
<...etc.>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>5</sub>	<input type="checkbox"/> <sub>5</sub>
Other country	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>6</sub>	<input type="checkbox"/> <sub>6</sub>

**ST022      What language do you speak at home most of the time?***(Please select one response.)*

ST022Q01TA	<Language 1>	<input type="checkbox"/> _1
ST022Q02TA	<Language 2>	<input type="checkbox"/> _2
ST022Q03TA	<Language 3>	<input type="checkbox"/> _3
ST022Q04TA	< ...etc. >	<input type="checkbox"/> _4
ST022Q05TA	Other language	<input type="checkbox"/> _5

**ST124**      **Did you attend <ISCED 0>?**

ST124Q01TA      *(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 <ISCED 1>?**

ST126Q01TA      *(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>
ST127Q01TA	At <ISCED 1>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
ST127Q02TA	At <ISCED 2>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>
ST127Q03TA	At <ISCED 3>	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>

## **2. HOW YOU THINK ABOUT YOUR LIFE**

**ST114**      **What kind of job do you expect to have when you are about 30 years old?**  
ST114Q01TA

*(Please type in the job title.)*\_\_\_\_\_

**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>
ST034Q01TA	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>
ST034Q02TA	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>
ST034Q03TA	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>
ST034Q04TA	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>
ST034Q05TA	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>
ST034Q06TA	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>



### **3. YOUR SCIENCE LEARNING**

**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.)*

ST059Q01NA      Number of <class periods> per week in <test language>      \_\_\_\_\_

ST059Q02NA      Number of <class periods> per week in mathematics      \_\_\_\_\_

ST059Q03NA      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>
ST063Q01N	Physics	<input type="checkbox"/> _1	<input type="checkbox"/> _1
ST063Q02N	Chemistry	<input type="checkbox"/> _1	<input type="checkbox"/> _1
ST063Q03N	Biology	<input type="checkbox"/> _1	<input type="checkbox"/> _1
ST063Q04N	<Earth and space>	<input type="checkbox"/> _1	<input type="checkbox"/> _1
ST063Q05N	Applied sciences and technology (e. g. <country-specific example>)	<input type="checkbox"/> _1	<input type="checkbox"/> _1
ST063Q06N	<General, integrated, or comprehensive science> course (e. g. <country-specific example>)	<input type="checkbox"/> _1	<input type="checkbox"/> _1

**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>
ST097Q01TA	Students don't listen to what the teacher says.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST097Q02TA	There is noise and disorder.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST097Q03TA	The teacher has to wait a long time for students to quiet down.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST097Q04TA	Students cannot work well.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST097Q05TA	Students don't start working for a long time after the lesson begins.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**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>
ST098Q01TA	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>
ST098Q02TA	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>
ST098Q03NA	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>
ST098Q05TA	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>
ST098Q06TA	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>
ST098Q07TA	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>
ST098Q08NA	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>
ST098Q09TA	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>
ST098Q10NA	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  
ST065Q01NA     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>
ST100Q01TA	The teacher shows an interest in every student's learning.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST100Q02TA	The teacher gives extra help when students need it.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST100Q03TA	The teacher helps students with their learning.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST100Q04TA	The teacher continues teaching until the students understand.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>
ST100Q05TA	The teacher gives students an opportunity to express opinions.	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	<input type="checkbox"/> <sub>3</sub>	<input type="checkbox"/> <sub>4</sub>

**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>
ST103Q01NA	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>
ST103Q03NA	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>
ST103Q08NA	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>
ST103Q11NA	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>
ST104Q01NA	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>
ST104Q02NA	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>
ST104Q03NA	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>
ST104Q04NA	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>
ST104Q05NA	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>

#### **4. YOUR VIEW ON 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>
ST092Q01TA 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>
ST092Q02TA 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>
ST092Q04TA 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>
ST092Q05TA 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>
ST092Q06NA 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>
ST092Q08NA 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>
ST092Q09NA 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>
ST094Q01NA	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>
ST094Q02NA	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>
ST094Q03NA	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>
ST094Q04NA	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>
ST094Q05NA	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>
ST113Q01TA	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>
ST113Q02TA	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>
ST113Q03TA	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>
ST113Q04TA	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>
ST129Q01TA	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>
ST129Q02TA	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>
ST129Q03TA	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>
ST129Q04TA	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>
ST129Q05TA	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>
ST129Q06TA	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>
ST129Q07TA	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>
ST129Q08TA	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>
ST131Q01NA	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>
ST131Q03NA	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>
ST131Q04NA	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>
ST131Q06NA	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>
ST131Q08NA	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>
ST131Q11NA	The ideas in <broad science> 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!***