

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

*You, your family, and your home  
Interest in science and the environment  
Science learning in school  
Your plans for further education*

*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 you.***

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

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

*Please note that the forward button used to proceed to the next question is located in the bottom right-hand corner of your screen. In some instances you may need to scroll down to the bottom of your screen to access this forward button.*

***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.***

**Section A: You, Your Family, and Your Home**

## What form are you in?

*(Please select from the drop-down menu to answer the question.)*

Form

ST001Q01TA01

Select...



- Form ( ST001Q01TA01 )
  - Select...
  - Form 2
  - Form 3
  - Form 4

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

*(Please select one response.)*

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Science Upper Secondary

ST002Q01TA01

Arts Upper Secondary

ST002Q01TA02

Technical/Vocational Secondary

ST002Q01TA03

Religious Secondary

ST002Q01TA04

Lower Secondary

ST002Q01TA05

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**On what date were you born?**

*(Please select the day, month, and year from the drop-down menus to answer the question.)*

Day

ST003Q01TA01

Select... 

- Day ( ST003Q01TA01 )

Select...

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29

30  
31

Month

ST003Q02TA01

Select...



- Month ( ST003Q02TA01 )  
Select...  
January  
February  
March  
April  
May  
June  
July  
August  
September  
October  
November  
December

Year

ST003Q03TA01

Select...



- Year ( ST003Q03TA01 )  
Select...  
1998  
1999  
2000  
2001

## Consistency check rule

Rule: IF (^ST003Q01TA01 = null OR ^ST003Q02TA01 = null OR ^ST003Q03TA01 = null)

Message: Please enter your complete birth date.

**Are you female or male?**

*(Please select one response.)*

Female

ST004Q01TA01

Male

ST004Q01TA02



**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.)*

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Upper secondary

ST005Q01TA01

Technical/vocational secondary

ST005Q01TA02

Lower secondary

ST005Q01TA03

Primary

ST005Q01TA04

She did not complete primary

ST005Q01TA05

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**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/Doctorate	ST006Q01TA01 <input type="radio"/>	ST006Q01TA02 <input type="radio"/>
Masters	ST006Q02TA01 <input type="radio"/>	ST006Q02TA02 <input type="radio"/>
Undergraduate university degree	ST006Q03TA01 <input type="radio"/>	ST006Q03TA02 <input type="radio"/>
Diploma	ST006Q04TA01 <input type="radio"/>	ST006Q04TA02 <input type="radio"/>
Post-secondary	ST006Q05TA01 <input type="radio"/>	ST006Q05TA02 <input type="radio"/>

**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.)*

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Upper secondary

ST007Q01TA01

Technical/vocational secondary

ST007Q01TA02

Lower secondary

ST007Q01TA03

Primary

ST007Q01TA04

He did not complete primary

ST007Q01TA05

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**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
PhD/Doctorate	ST008Q01TA01 <input type="radio"/>	ST008Q01TA02 <input type="radio"/>
Masters	ST008Q02TA01 <input type="radio"/>	ST008Q02TA02 <input type="radio"/>
Undergraduate university degree	ST008Q03TA01 <input type="radio"/>	ST008Q03TA02 <input type="radio"/>
Diploma	ST008Q04TA01 <input type="radio"/>	ST008Q04TA02 <input type="radio"/>
Post-secondary	ST008Q05TA01 <input type="radio"/>	ST008Q05TA02 <input type="radio"/>

**What is your mother currently doing?**

*(Please select one response.)*

Working full-time for pay

ST009Q01TA01

Working part-time for pay

ST009Q01TA02

Not working, but looking for a job

ST009Q01TA03

Other (e.g. home duties, retired)

ST009Q01TA04

**What is your father currently doing?**

*(Please select one response.)*

Working full-time for pay

ST010Q01TA01

Working part-time for pay

ST010Q01TA02

Not working, but looking for a job

ST010Q01TA03

Other (e.g. home duties, retired)

ST010Q01TA04

## Which of the following are in your home?

(Please select one response in each row.)

	Yes	No
A desk to study at	ST011Q01TA01 <input type="radio"/>	ST011Q01TA02 <input type="radio"/>
A room of your own	ST011Q02TA01 <input type="radio"/>	ST011Q02TA02 <input type="radio"/>
A quiet place to study	ST011Q03TA01 <input type="radio"/>	ST011Q03TA02 <input type="radio"/>
A computer you can use for school work	ST011Q04TA01 <input type="radio"/>	ST011Q04TA02 <input type="radio"/>
Educational software	ST011Q05TA01 <input type="radio"/>	ST011Q05TA02 <input type="radio"/>
A link to the Internet	ST011Q06TA01 <input type="radio"/>	ST011Q06TA02 <input type="radio"/>
Classic literature (e.g. Munshi Abdullah)	ST011Q07TA01 <input type="radio"/>	ST011Q07TA02 <input type="radio"/>
Books of poetry	ST011Q08TA01 <input type="radio"/>	ST011Q08TA02 <input type="radio"/>
Works of art (e.g. paintings)	ST011Q09TA01 <input type="radio"/>	ST011Q09TA02 <input type="radio"/>
Books to help with your school work	ST011Q10TA01 <input type="radio"/>	ST011Q10TA02 <input type="radio"/>

Technical reference books

ST011Q11TA01

ST011Q11TA02

A dictionary

ST011Q12TA01

ST011Q12TA02

A DVD player

ST011Q13TA01

ST011Q13TA02

Flat screen TV/Plasma TV/LCD TV

ST011Q14NA01

ST011Q14NA02

Cable TV/Pay TV/Satellite TV

ST011Q15NA01

ST011Q15NA02

Books on art, music, or design

ST011Q16NA01

ST011Q16NA02

Television

ST011Q17TA01

ST011Q17TA02

Refrigerator

ST011Q18TA01

ST011Q18TA02

Air conditioner

ST011Q19TA01

ST011Q19TA02



### **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	ST012Q01TA01 <input type="radio"/>	ST012Q01TA02 <input type="radio"/>	ST012Q01TA03 <input type="radio"/>	ST012Q01TA04 <input type="radio"/>
Cars	ST012Q02TA01 <input type="radio"/>	ST012Q02TA02 <input type="radio"/>	ST012Q02TA03 <input type="radio"/>	ST012Q02TA04 <input type="radio"/>
Rooms with a bath or shower	ST012Q03TA01 <input type="radio"/>	ST012Q03TA02 <input type="radio"/>	ST012Q03TA03 <input type="radio"/>	ST012Q03TA04 <input type="radio"/>
Mobile phones without Internet access	ST012Q04NA01 <input type="radio"/>	ST012Q04NA02 <input type="radio"/>	ST012Q04NA03 <input type="radio"/>	ST012Q04NA04 <input type="radio"/>
Mobile phones with Internet access (e.g. smartphones)	ST012Q05NA01 <input type="radio"/>	ST012Q05NA02 <input type="radio"/>	ST012Q05NA03 <input type="radio"/>	ST012Q05NA04 <input type="radio"/>
Computers (desktop computer, portable laptop, or notebook)	ST012Q06NA01 <input type="radio"/>	ST012Q06NA02 <input type="radio"/>	ST012Q06NA03 <input type="radio"/>	ST012Q06NA04 <input type="radio"/>
Tablet computers (e.g. iPad®, BlackBerry® PlayBook™)	ST012Q07NA01 <input type="radio"/>	ST012Q07NA02 <input type="radio"/>	ST012Q07NA03 <input type="radio"/>	ST012Q07NA04 <input type="radio"/>
Musical instruments (e.g. guitar, piano)	ST012Q09NA01 <input type="radio"/>	ST012Q09NA02 <input type="radio"/>	ST012Q09NA03 <input type="radio"/>	ST012Q09NA04 <input type="radio"/>



### 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

ST013Q01TA01

11-25 books

ST013Q01TA02

26-100 books

ST013Q01TA03

101-200 books

ST013Q01TA04

201-500 books

ST013Q01TA05

More than 500 books

ST013Q01TA06

**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 type in the job title.*

ST014Q01TA01

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.*

ST014Q02TA01

**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 type in the job title.*

ST015Q01TA01

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.*

ST015Q02TA01

## What kind of work do your father and mother do for their main jobs?

(Choose the job category that best describes what your father/your mother does. Each category has a few examples to help you decide the correct category. If your father or mother is not working now, think about the last job he/she had.)

(Please select one response in each column.)

	Your father	Your mother
Has never worked outside the home for pay	ST091AQ01N01 <input type="radio"/>	ST091BQ01N01 <input type="radio"/>
Small Business Owner (Includes owners of small business (fewer than 25 employees) such as retail shops, services, restaurants)	ST091AQ01N02 <input type="radio"/>	ST091BQ01N02 <input type="radio"/>
Clerk (Includes office clerks; secretaries; typists; data entry operators; customer service clerks)	ST091AQ01N03 <input type="radio"/>	ST091BQ01N03 <input type="radio"/>
Service or Sales Worker (Includes travel attendants; restaurant service workers; personal care workers; protective service workers; salespersons)	ST091AQ01N04 <input type="radio"/>	ST091BQ01N04 <input type="radio"/>
Skilled Agricultural or Fishery Worker (Includes farmers; forestry workers; fishery workers, hunters and trappers)	ST091AQ01N05 <input type="radio"/>	ST091BQ01N05 <input type="radio"/>
Craft or Trade Worker (Includes builders, carpenters, plumbers, electricians, etc.; metal workers; machine mechanics; handicraft workers)	ST091AQ01N06 <input type="radio"/>	ST091BQ01N06 <input type="radio"/>
Plant or Machine Operator (Includes plant and machine operators; assembly-line operators; motor vehicle drivers)	ST091AQ01N07 <input type="radio"/>	ST091BQ01N07 <input type="radio"/>
General Labourers	ST091AQ01N08 <input type="radio"/>	ST091BQ01N08 <input type="radio"/>

(Includes domestic helpers and cleaners; building caretakers; messengers, porters and doorkeepers; farm, fishery, agricultural, and construction workers)

ST091AQ01N08

ST091BQ01N08

Corporate Manager or Senior Official

(Includes corporate managers such as managers of large companies (25 or more employees) or managers of departments within large companies; legislators or senior government officials; senior officials of special-interest organisations; military officers)

ST091AQ01N09

ST091BQ01N09

Professional

(Includes scientists; mathematicians; computer scientists; architects; engineers; life science and health professionals; teachers; legal professionals; social scientists; writers and artists; religious professionals)

ST091AQ01N10

ST091BQ01N10

Technician or Associate Professional

(Includes science, engineering, and computer associates and technicians; life science and health technicians and assistants; teacher aides; finance and sales associate professionals; business service agents; administrative assistants)

ST091AQ01N11

ST091BQ01N11

Something else

ST091AQ01N12

ST091BQ01N12

**Section B: Interest In Science and the Environment**



## 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 in greenhouse gases in the atmosphere	ST092Q01TA01 <input type="radio"/>	ST092Q01TA02 <input type="radio"/>	ST092Q01TA03 <input type="radio"/>	ST092Q01TA04 <input type="radio"/>
The use of genetically modified organisms (GMO)	ST092Q02TA01 <input type="radio"/>	ST092Q02TA02 <input type="radio"/>	ST092Q02TA03 <input type="radio"/>	ST092Q02TA04 <input type="radio"/>
Acid rain	ST092Q03TA01 <input type="radio"/>	ST092Q03TA02 <input type="radio"/>	ST092Q03TA03 <input type="radio"/>	ST092Q03TA04 <input type="radio"/>
Nuclear waste	ST092Q04TA01 <input type="radio"/>	ST092Q04TA02 <input type="radio"/>	ST092Q04TA03 <input type="radio"/>	ST092Q04TA04 <input type="radio"/>
The consequences of clearing forests for other land use	ST092Q05TA01 <input type="radio"/>	ST092Q05TA02 <input type="radio"/>	ST092Q05TA03 <input type="radio"/>	ST092Q05TA04 <input type="radio"/>
Air pollution	ST092Q06NA01 <input type="radio"/>	ST092Q06NA02 <input type="radio"/>	ST092Q06NA03 <input type="radio"/>	ST092Q06NA04 <input type="radio"/>
Energy shortage	ST092Q07NA01 <input type="radio"/>	ST092Q07NA02 <input type="radio"/>	ST092Q07NA03 <input type="radio"/>	ST092Q07NA04 <input type="radio"/>
Extinction of plants and animals	ST092Q08NA01 <input type="radio"/>	ST092Q08NA02 <input type="radio"/>	ST092Q08NA03 <input type="radio"/>	ST092Q08NA04 <input type="radio"/>
Water shortage	ST092Q09NA01 <input type="radio"/>	ST092Q09NA02 <input type="radio"/>	ST092Q09NA03 <input type="radio"/>	ST092Q09NA04 <input type="radio"/>

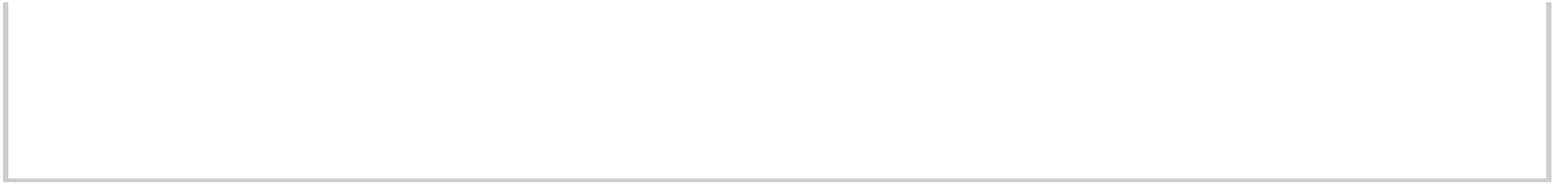
Water shortage



**Do you think problems associated with the environmental issues below will improve or get worse over the next 20 years?**

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

	<i>Improve</i>	<i>Stay about the same</i>	<i>Get worse</i>
Air pollution	ST093Q01TA01 <input type="radio"/>	ST093Q01TA02 <input type="radio"/>	ST093Q01TA03 <input type="radio"/>
Energy shortages	ST093Q02TA01 <input type="radio"/>	ST093Q02TA02 <input type="radio"/>	ST093Q02TA03 <input type="radio"/>
Extinction of plants and animals	ST093Q03TA01 <input type="radio"/>	ST093Q03TA02 <input type="radio"/>	ST093Q03TA03 <input type="radio"/>
Clearing of forests for other land use	ST093Q04TA01 <input type="radio"/>	ST093Q04TA02 <input type="radio"/>	ST093Q04TA03 <input type="radio"/>
Water shortages	ST093Q05TA01 <input type="radio"/>	ST093Q05TA02 <input type="radio"/>	ST093Q05TA03 <input type="radio"/>
Nuclear waste	ST093Q06TA01 <input type="radio"/>	ST093Q06TA02 <input type="radio"/>	ST093Q06TA03 <input type="radio"/>
The increase in greenhouse gases in the atmosphere	ST093Q07NA01 <input type="radio"/>	ST093Q07NA02 <input type="radio"/>	ST093Q07NA03 <input type="radio"/>
The use of genetically modified organisms (GMO)	ST093Q08NA01 <input type="radio"/>	ST093Q08NA02 <input type="radio"/>	ST093Q08NA03 <input type="radio"/>
Acid rain	ST093Q09NA01 <input type="radio"/>	ST093Q09NA02 <input type="radio"/>	ST093Q09NA03 <input type="radio"/>



**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 universal science topics.	ST094Q01NA01 <input type="radio"/>	ST094Q01NA02 <input type="radio"/>	ST094Q01NA03 <input type="radio"/>	ST094Q01NA04 <input type="radio"/>
I like reading about universal science.	ST094Q02NA01 <input type="radio"/>	ST094Q02NA02 <input type="radio"/>	ST094Q02NA03 <input type="radio"/>	ST094Q02NA04 <input type="radio"/>
I am happy working on universal science topics.	ST094Q03NA01 <input type="radio"/>	ST094Q03NA02 <input type="radio"/>	ST094Q03NA03 <input type="radio"/>	ST094Q03NA04 <input type="radio"/>
I enjoy acquiring new knowledge in universal science.	ST094Q04NA01 <input type="radio"/>	ST094Q04NA02 <input type="radio"/>	ST094Q04NA03 <input type="radio"/>	ST094Q04NA04 <input type="radio"/>
I am interested in learning about universal science.	ST094Q05NA01 <input type="radio"/>	ST094Q05NA02 <input type="radio"/>	ST094Q05NA03 <input type="radio"/>	ST094Q05NA04 <input type="radio"/>

**To what extent are you interested in the following universal science topics?**

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

	<i>Not interested</i>	<i>Hardly interested</i>	<i>Interested</i>	<i>Highly interested</i>	<i>I don't know what this is</i>
The concept of an organism (e.g. unicellular and multicellular)	ST095Q01NA01 <input type="radio"/>	ST095Q01NA02 <input type="radio"/>	ST095Q01NA03 <input type="radio"/>	ST095Q01NA04 <input type="radio"/>	ST095Q01NA05 <input type="radio"/>
Humans (e.g. health, nutrition)	ST095Q02NA01 <input type="radio"/>	ST095Q02NA02 <input type="radio"/>	ST095Q02NA03 <input type="radio"/>	ST095Q02NA04 <input type="radio"/>	ST095Q02NA05 <input type="radio"/>
Populations (e.g. species, evolution, biodiversity)	ST095Q03NA01 <input type="radio"/>	ST095Q03NA02 <input type="radio"/>	ST095Q03NA03 <input type="radio"/>	ST095Q03NA04 <input type="radio"/>	ST095Q03NA05 <input type="radio"/>
Biosphere (e.g. ecosystem services, sustainability)	ST095Q04NA01 <input type="radio"/>	ST095Q04NA02 <input type="radio"/>	ST095Q04NA03 <input type="radio"/>	ST095Q04NA04 <input type="radio"/>	ST095Q04NA05 <input type="radio"/>
Structure of matter (e.g. particle model, bonds)	ST095Q05NA01 <input type="radio"/>	ST095Q05NA02 <input type="radio"/>	ST095Q05NA03 <input type="radio"/>	ST095Q05NA04 <input type="radio"/>	ST095Q05NA05 <input type="radio"/>
Chemical changes of matter (e.g. chemical reactions, energy transfer)	ST095Q06NA01 <input type="radio"/>	ST095Q06NA02 <input type="radio"/>	ST095Q06NA03 <input type="radio"/>	ST095Q06NA04 <input type="radio"/>	ST095Q06NA05 <input type="radio"/>
Motion and forces (e.g. velocity, friction, magnetic and gravitational forces)	ST095Q07NA01 <input type="radio"/>	ST095Q07NA02 <input type="radio"/>	ST095Q07NA03 <input type="radio"/>	ST095Q07NA04 <input type="radio"/>	ST095Q07NA05 <input type="radio"/>
Energy and its transformation (e.g. conservation, chemical reactions)	ST095Q08NA01 <input type="radio"/>	ST095Q08NA02 <input type="radio"/>	ST095Q08NA03 <input type="radio"/>	ST095Q08NA04 <input type="radio"/>	ST095Q08NA05 <input type="radio"/>
Interactions between energy and matter (e.g. light and radio waves)	ST095Q09NA01 <input type="radio"/>	ST095Q09NA02 <input type="radio"/>	ST095Q09NA03 <input type="radio"/>	ST095Q09NA04 <input type="radio"/>	ST095Q09NA05 <input type="radio"/>

Change in Earth systems (e.g. plate tectonics, constructive and destructive forces)	ST095Q10NA01 <input type="radio"/>	ST095Q10NA02 <input type="radio"/>	ST095Q10NA03 <input type="radio"/>	ST095Q10NA04 <input type="radio"/>	ST095Q10NA05 <input type="radio"/>
Earth's history (e.g. fossils, origin and evolution)	ST095Q11NA01 <input type="radio"/>	ST095Q11NA02 <input type="radio"/>	ST095Q11NA03 <input type="radio"/>	ST095Q11NA04 <input type="radio"/>	ST095Q11NA05 <input type="radio"/>
Earth in space (e.g. gravity, solar systems, galaxies)	ST095Q12NA01 <input type="radio"/>	ST095Q12NA02 <input type="radio"/>	ST095Q12NA03 <input type="radio"/>	ST095Q12NA04 <input type="radio"/>	ST095Q12NA05 <input type="radio"/>
The Universe and its history	ST095Q13NA01 <input type="radio"/>	ST095Q13NA02 <input type="radio"/>	ST095Q13NA03 <input type="radio"/>	ST095Q13NA04 <input type="radio"/>	ST095Q13NA05 <input type="radio"/>
Explanations of how things work	ST095Q14NA01 <input type="radio"/>	ST095Q14NA02 <input type="radio"/>	ST095Q14NA03 <input type="radio"/>	ST095Q14NA04 <input type="radio"/>	ST095Q14NA05 <input type="radio"/>
How science can help us prevent disease	ST095Q15NA01 <input type="radio"/>	ST095Q15NA02 <input type="radio"/>	ST095Q15NA03 <input type="radio"/>	ST095Q15NA04 <input type="radio"/>	ST095Q15NA05 <input type="radio"/>
How science can help solve environmental problems	ST095Q16NA01 <input type="radio"/>	ST095Q16NA02 <input type="radio"/>	ST095Q16NA03 <input type="radio"/>	ST095Q16NA04 <input type="radio"/>	ST095Q16NA05 <input type="radio"/>

## How interested are you in the following school subjects?

(Please answer only for those subjects that you had this year or last year. Otherwise, select the box 'I didn't have this subject'.)

(Please select only one response in each row.)

	<i>Not interested</i>	<i>Hardly interested</i>	<i>Interested</i>	<i>Highly interested</i>	<i>I didn't have this subject</i>
English	ST096Q01NA01 <input type="radio"/>	ST096Q01NA02 <input type="radio"/>	ST096Q01NA03 <input type="radio"/>	ST096Q01NA04 <input type="radio"/>	ST096Q01NA05 <input type="radio"/>
Mathematics	ST096Q02NA01 <input type="radio"/>	ST096Q02NA02 <input type="radio"/>	ST096Q02NA03 <input type="radio"/>	ST096Q02NA04 <input type="radio"/>	ST096Q02NA05 <input type="radio"/>
Chemistry	ST096Q04NA01 <input type="radio"/>	ST096Q04NA02 <input type="radio"/>	ST096Q04NA03 <input type="radio"/>	ST096Q04NA04 <input type="radio"/>	ST096Q04NA05 <input type="radio"/>
Biology	ST096Q05NA01 <input type="radio"/>	ST096Q05NA02 <input type="radio"/>	ST096Q05NA03 <input type="radio"/>	ST096Q05NA04 <input type="radio"/>	ST096Q05NA05 <input type="radio"/>
Physics	ST096Q07NA01 <input type="radio"/>	ST096Q07NA02 <input type="radio"/>	ST096Q07NA03 <input type="radio"/>	ST096Q07NA04 <input type="radio"/>	ST096Q07NA05 <input type="radio"/>
Applied sciences and technology (e. g. robotic)	ST096Q08NA01 <input type="radio"/>	ST096Q08NA02 <input type="radio"/>	ST096Q08NA03 <input type="radio"/>	ST096Q08NA04 <input type="radio"/>	ST096Q08NA05 <input type="radio"/>
General, integrated, or comprehensive science	ST096Q09NA01 <input type="radio"/>	ST096Q09NA02 <input type="radio"/>	ST096Q09NA03 <input type="radio"/>	ST096Q09NA04 <input type="radio"/>	ST096Q09NA05 <input type="radio"/>
Social sciences (e.g. commerce)	ST096Q10NA01 <input type="radio"/>	ST096Q10NA02 <input type="radio"/>	ST096Q10NA03 <input type="radio"/>	ST096Q10NA04 <input type="radio"/>	ST096Q10NA05 <input type="radio"/>
Sports/physical education	ST096Q11NA01 <input type="radio"/>	ST096Q11NA02 <input type="radio"/>	ST096Q11NA03 <input type="radio"/>	ST096Q11NA04 <input type="radio"/>	ST096Q11NA05 <input type="radio"/>



Foreign language(s)	ST096Q12NA01 <input type="radio"/>	ST096Q12NA02 <input type="radio"/>	ST096Q12NA03 <input type="radio"/>	ST096Q12NA04 <input type="radio"/>	ST096Q12NA05 <input type="radio"/>
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Arts	ST096Q13NA01 <input type="radio"/>	ST096Q13NA02 <input type="radio"/>	ST096Q13NA03 <input type="radio"/>	ST096Q13NA04 <input type="radio"/>	ST096Q13NA05 <input type="radio"/>
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## **Section C: Science Learning In School**

**Which of the following 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	ST063Q01NA01 <input type="checkbox"/>	ST063Q01NB02 <input type="checkbox"/>
Chemistry	ST063Q02NA01 <input type="checkbox"/>	ST063Q02NB02 <input type="checkbox"/>
Biology	ST063Q03NA01 <input type="checkbox"/>	ST063Q03NB02 <input type="checkbox"/>
Applied sciences and technology (e.g. robotic)	ST063Q05NA01 <input type="checkbox"/>	ST063Q05NB02 <input type="checkbox"/>
General, integrated, or comprehensive science course (e.g. integrated science)	ST063Q06NA01 <input type="checkbox"/>	ST063Q06NB02 <input type="checkbox"/>

## Branching rule

Rule: IF (^ST063Q01NA01 >0 OR ^ST063Q02NA01 >0 OR ^ST063Q03NA01 >0 OR ^ST063Q05NA01 >0 OR ^ST063Q06NA01 >0) THEN GOTO ^ST097 ELSE GOTO ^STInfo4

### How often do these things happen in your 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.	ST097Q01TA01 <input type="radio"/>	ST097Q01TA02 <input type="radio"/>	ST097Q01TA03 <input type="radio"/>	ST097Q01TA04 <input type="radio"/>
There is noise and disorder.	ST097Q02TA01 <input type="radio"/>	ST097Q02TA02 <input type="radio"/>	ST097Q02TA03 <input type="radio"/>	ST097Q02TA04 <input type="radio"/>
The teacher has to wait a long time for students to quiet down.	ST097Q03TA01 <input type="radio"/>	ST097Q03TA02 <input type="radio"/>	ST097Q03TA03 <input type="radio"/>	ST097Q03TA04 <input type="radio"/>
Students cannot work well.	ST097Q04TA01 <input type="radio"/>	ST097Q04TA02 <input type="radio"/>	ST097Q04TA03 <input type="radio"/>	ST097Q04TA04 <input type="radio"/>
Students don't start working for a long time after the lesson begins.	ST097Q05TA01 <input type="radio"/>	ST097Q05TA02 <input type="radio"/>	ST097Q05TA03 <input type="radio"/>	ST097Q05TA04 <input type="radio"/>

**When learning 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.	ST098Q01TA01 <input type="radio"/>	ST098Q01TA02 <input type="radio"/>	ST098Q01TA03 <input type="radio"/>	ST098Q01TA04 <input type="radio"/>
Students spend time in the laboratory doing practical experiments.	ST098Q02TA01 <input type="radio"/>	ST098Q02TA02 <input type="radio"/>	ST098Q02TA03 <input type="radio"/>	ST098Q02TA04 <input type="radio"/>
Students are required to argue about science questions.	ST098Q03NA01 <input type="radio"/>	ST098Q03NA02 <input type="radio"/>	ST098Q03NA03 <input type="radio"/>	ST098Q03NA04 <input type="radio"/>
The conclusions of experiments integrate students' argumentations.	ST098Q04NA01 <input type="radio"/>	ST098Q04NA02 <input type="radio"/>	ST098Q04NA03 <input type="radio"/>	ST098Q04NA04 <input type="radio"/>
Students are asked to draw conclusions from an experiment they have conducted.	ST098Q05TA01 <input type="radio"/>	ST098Q05TA02 <input type="radio"/>	ST098Q05TA03 <input type="radio"/>	ST098Q05TA04 <input type="radio"/>
The teacher explains how a science idea can be applied to a number of different phenomena (e.g. the movement of objects, substances with similar properties).	ST098Q06TA01 <input type="radio"/>	ST098Q06TA02 <input type="radio"/>	ST098Q06TA03 <input type="radio"/>	ST098Q06TA04 <input type="radio"/>
Students are allowed to design their own experiments.	ST098Q07TA01 <input type="radio"/>	ST098Q07TA02 <input type="radio"/>	ST098Q07TA03 <input type="radio"/>	ST098Q07TA04 <input type="radio"/>
There is a class debate about investigations.	ST098Q08NA01 <input type="radio"/>	ST098Q08NA02 <input type="radio"/>	ST098Q08NA03 <input type="radio"/>	ST098Q08NA04 <input type="radio"/>
The teacher clearly explains the relevance of universal science concepts to our lives.	ST098Q09TA01 <input type="radio"/>	ST098Q09TA02 <input type="radio"/>	ST098Q09TA03 <input type="radio"/>	ST098Q09TA04 <input type="radio"/>

Students are asked to do an investigation to test ideas.	ST098Q10NA01 <input type="radio"/>	ST098Q10NA02 <input type="radio"/>	ST098Q10NA03 <input type="radio"/>	ST098Q10NA04 <input type="radio"/>
Students have the opportunity to repeat experiments and compare observations.	ST098Q11NA01 <input type="radio"/>	ST098Q11NA02 <input type="radio"/>	ST098Q11NA03 <input type="radio"/>	ST098Q11NA04 <input type="radio"/>
Students are encouraged to question and critique scientific arguments made by other students.	ST098Q12NA01 <input type="radio"/>	ST098Q12NA02 <input type="radio"/>	ST098Q12NA03 <input type="radio"/>	ST098Q12NA04 <input type="radio"/>
Students are required to engage in discussions among themselves.	ST098Q13NA01 <input type="radio"/>	ST098Q13NA02 <input type="radio"/>	ST098Q13NA03 <input type="radio"/>	ST098Q13NA04 <input type="radio"/>

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**Within the last month at school, has a computer or a similar device (e.g. a tablet) ever been used for the following purposes in your science lessons?**

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

	<i>Yes, students did this</i>	<i>Yes, but only the teacher demonstrated this</i>	<i>No</i>
Searching the Internet about science topics.	ST099Q01NA01 <input type="radio"/>	ST099Q01NA02 <input type="radio"/>	ST099Q01NA03 <input type="radio"/>
Analysing data from (real or simulated) science experiments using a spreadsheet program (e.g. Microsoft Office Excel).	ST099Q02NA01 <input type="radio"/>	ST099Q02NA02 <input type="radio"/>	ST099Q02NA03 <input type="radio"/>
Presenting results from (real or simulated) science experiments, using a presentation software (e.g. Microsoft Office PowerPoint).	ST099Q03NA01 <input type="radio"/>	ST099Q03NA02 <input type="radio"/>	ST099Q03NA03 <input type="radio"/>
Studying science topics through multimedia content (e.g. simulations of natural phenomena).	ST099Q04NA01 <input type="radio"/>	ST099Q04NA02 <input type="radio"/>	ST099Q04NA03 <input type="radio"/>
Studying science topics through learning games (e.g. science experiment games).	ST099Q05NA01 <input type="radio"/>	ST099Q05NA02 <input type="radio"/>	ST099Q05NA03 <input type="radio"/>
Learning about science topics by watching science videos.	ST099Q06NA01 <input type="radio"/>	ST099Q06NA02 <input type="radio"/>	ST099Q06NA03 <input type="radio"/>
Planning and running simulated laboratory experiments.	ST099Q07NA01 <input type="radio"/>	ST099Q07NA02 <input type="radio"/>	ST099Q07NA03 <input type="radio"/>





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

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

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**What is the name of this science course?**  
*(Please type the name of the course.)*

ST065Q01NA01

## Branching rule

Rule: IF (^ST003Q02TA01 = 01 OR ^ST003Q02TA01 = 03 OR ^ST003Q02TA01 = 05 OR ^ST003Q02TA01 = 07 OR ^ST003Q02TA01 = 09 OR ^ST003Q02TA01 = 11 OR ^ST003Q02TA01 = null) THEN GOTO ^ST100 ELSE GOTO ^ST101

### How often do these things happen in your 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.	ST100Q01TA01 <input type="radio"/>	ST100Q01TA02 <input type="radio"/>	ST100Q01TA03 <input type="radio"/>	ST100Q01TA04 <input type="radio"/>
The teacher gives extra help when students need it.	ST100Q02TA01 <input type="radio"/>	ST100Q02TA02 <input type="radio"/>	ST100Q02TA03 <input type="radio"/>	ST100Q02TA04 <input type="radio"/>
The teacher helps students with their learning.	ST100Q03TA01 <input type="radio"/>	ST100Q03TA02 <input type="radio"/>	ST100Q03TA03 <input type="radio"/>	ST100Q03TA04 <input type="radio"/>
The teacher continues teaching until the students understand.	ST100Q04TA01 <input type="radio"/>	ST100Q04TA02 <input type="radio"/>	ST100Q04TA03 <input type="radio"/>	ST100Q04TA04 <input type="radio"/>
The teacher gives students an opportunity to express opinions.	ST100Q05TA01 <input type="radio"/>	ST100Q05TA02 <input type="radio"/>	ST100Q05TA03 <input type="radio"/>	ST100Q05TA04 <input type="radio"/>

## Branching rule

Rule: IF (^ST003Q02TA01 = 01 OR ^ST003Q02TA01 = 03 OR ^ST003Q02TA01 = 05 OR ^ST003Q02TA01 = 07 OR ^ST003Q02TA01 = 09 OR ^ST003Q02TA01 = 11 OR ^ST003Q02TA01 = null) THEN GOTO ^ST102 ELSE GOTO ^ST101

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

(Please select one response in each row.)

	<i>Never or hardly ever</i>	<i>Some lessons</i>	<i>Most lessons</i>	<i>Every lesson</i>
The teacher shows an interest in every student's learning.	ST101Q01TA01 <input type="radio"/>	ST101Q01TA02 <input type="radio"/>	ST101Q01TA03 <input type="radio"/>	ST101Q01TA04 <input type="radio"/>
The teacher gives extra help when students need it.	ST101Q02TA01 <input type="radio"/>	ST101Q02TA02 <input type="radio"/>	ST101Q02TA03 <input type="radio"/>	ST101Q02TA04 <input type="radio"/>
The teacher helps students with their learning.	ST101Q03TA01 <input type="radio"/>	ST101Q03TA02 <input type="radio"/>	ST101Q03TA03 <input type="radio"/>	ST101Q03TA04 <input type="radio"/>
The teacher continues teaching until the students understand.	ST101Q04TA01 <input type="radio"/>	ST101Q04TA02 <input type="radio"/>	ST101Q04TA03 <input type="radio"/>	ST101Q04TA04 <input type="radio"/>
The teacher gives students an opportunity to express opinions.	ST101Q05TA01 <input type="radio"/>	ST101Q05TA02 <input type="radio"/>	ST101Q05TA03 <input type="radio"/>	ST101Q05TA04 <input type="radio"/>

### How often do these things happen in your 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 sets clear goals for our learning.	ST102Q01TA01 <input type="radio"/>	ST102Q01TA02 <input type="radio"/>	ST102Q01TA03 <input type="radio"/>	ST102Q01TA04 <input type="radio"/>
The teacher asks questions to check whether we have understood what was taught.	ST102Q02TA01 <input type="radio"/>	ST102Q02TA02 <input type="radio"/>	ST102Q02TA03 <input type="radio"/>	ST102Q02TA04 <input type="radio"/>
At the beginning of a lesson, the teacher presents a short summary of the previous lesson.	ST102Q03TA01 <input type="radio"/>	ST102Q03TA02 <input type="radio"/>	ST102Q03TA03 <input type="radio"/>	ST102Q03TA04 <input type="radio"/>
The teacher tells us what we have to learn.	ST102Q04TA01 <input type="radio"/>	ST102Q04TA02 <input type="radio"/>	ST102Q04TA03 <input type="radio"/>	ST102Q04TA04 <input type="radio"/>

## How often do these things happen in your lessons for this science course?

(Remember to answer this question in reference to the 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.	ST103Q01NA01 <input type="radio"/>	ST103Q01NA02 <input type="radio"/>	ST103Q01NA03 <input type="radio"/>	ST103Q01NA04 <input type="radio"/>
A small group discussion between students takes place.	ST103Q02NA01 <input type="radio"/>	ST103Q02NA02 <input type="radio"/>	ST103Q02NA03 <input type="radio"/>	ST103Q02NA04 <input type="radio"/>
A whole class discussion takes place with the teacher.	ST103Q03NA01 <input type="radio"/>	ST103Q03NA02 <input type="radio"/>	ST103Q03NA03 <input type="radio"/>	ST103Q03NA04 <input type="radio"/>
Current scientific issues are discussed.	ST103Q04NA01 <input type="radio"/>	ST103Q04NA02 <input type="radio"/>	ST103Q04NA03 <input type="radio"/>	ST103Q04NA04 <input type="radio"/>
Students make calculations using scientific formulas.	ST103Q05NA01 <input type="radio"/>	ST103Q05NA02 <input type="radio"/>	ST103Q05NA03 <input type="radio"/>	ST103Q05NA04 <input type="radio"/>
The teacher uses an interactive whiteboard.	ST103Q06NA01 <input type="radio"/>	ST103Q06NA02 <input type="radio"/>	ST103Q06NA03 <input type="radio"/>	ST103Q06NA04 <input type="radio"/>
Students do their own scientific study and related research.	ST103Q07NA01 <input type="radio"/>	ST103Q07NA02 <input type="radio"/>	ST103Q07NA03 <input type="radio"/>	ST103Q07NA04 <input type="radio"/>
The teacher discusses our questions.	ST103Q08NA01 <input type="radio"/>	ST103Q08NA02 <input type="radio"/>	ST103Q08NA03 <input type="radio"/>	ST103Q08NA04 <input type="radio"/>
Students carry out practical work.	ST103Q09NA01 <input type="radio"/>	ST103Q09NA02 <input type="radio"/>	ST103Q09NA03 <input type="radio"/>	ST103Q09NA04 <input type="radio"/>



Students write up laboratory reports.	ST103Q10NA01 <input type="radio"/>	ST103Q10NA02 <input type="radio"/>	ST103Q10NA03 <input type="radio"/>	ST103Q10NA04 <input type="radio"/>
The teacher demonstrates an idea.	ST103Q11NA01 <input type="radio"/>	ST103Q11NA02 <input type="radio"/>	ST103Q11NA03 <input type="radio"/>	ST103Q11NA04 <input type="radio"/>
The teacher discusses questions of practical relevance.	ST103Q12NA01 <input type="radio"/>	ST103Q12NA02 <input type="radio"/>	ST103Q12NA03 <input type="radio"/>	ST103Q12NA04 <input type="radio"/>
Students read materials from a textbook.	ST103Q13NA01 <input type="radio"/>	ST103Q13NA02 <input type="radio"/>	ST103Q13NA03 <input type="radio"/>	ST103Q13NA04 <input type="radio"/>
Students take notes from the board.	ST103Q14NA01 <input type="radio"/>	ST103Q14NA02 <input type="radio"/>	ST103Q14NA03 <input type="radio"/>	ST103Q14NA04 <input type="radio"/>
Students discuss materials from a textbook.	ST103Q15NA01 <input type="radio"/>	ST103Q15NA02 <input type="radio"/>	ST103Q15NA03 <input type="radio"/>	ST103Q15NA04 <input type="radio"/>
Students watch videos.	ST103Q16NA01 <input type="radio"/>	ST103Q16NA02 <input type="radio"/>	ST103Q16NA03 <input type="radio"/>	ST103Q16NA04 <input type="radio"/>
Students use the Internet.	ST103Q17NA01 <input type="radio"/>	ST103Q17NA02 <input type="radio"/>	ST103Q17NA03 <input type="radio"/>	ST103Q17NA04 <input type="radio"/>
The class corrects homework or a test.	ST103Q18NA01 <input type="radio"/>	ST103Q18NA02 <input type="radio"/>	ST103Q18NA03 <input type="radio"/>	ST103Q18NA04 <input type="radio"/>
Students fill out worksheets.	ST103Q19NA01 <input type="radio"/>	ST103Q19NA02 <input type="radio"/>	ST103Q19NA03 <input type="radio"/>	ST103Q19NA04 <input type="radio"/>
Students present something to the rest of the class.	ST103Q20NA01 <input type="radio"/>	ST103Q20NA02 <input type="radio"/>	ST103Q20NA03 <input type="radio"/>	ST103Q20NA04 <input type="radio"/>

### How often do these things happen in your lessons for this science course?

(Remember to answer this question in reference to the 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.	ST104Q01NA01 <input type="radio"/>	ST104Q01NA02 <input type="radio"/>	ST104Q01NA03 <input type="radio"/>	ST104Q01NA04 <input type="radio"/>
The teacher gives me feedback on my strengths in this science subject.	ST104Q02NA01 <input type="radio"/>	ST104Q02NA02 <input type="radio"/>	ST104Q02NA03 <input type="radio"/>	ST104Q02NA04 <input type="radio"/>
The teacher tells me in which areas I can still improve.	ST104Q03NA01 <input type="radio"/>	ST104Q03NA02 <input type="radio"/>	ST104Q03NA03 <input type="radio"/>	ST104Q03NA04 <input type="radio"/>
The teacher tells me how I can improve my performance.	ST104Q04NA01 <input type="radio"/>	ST104Q04NA02 <input type="radio"/>	ST104Q04NA03 <input type="radio"/>	ST104Q04NA04 <input type="radio"/>
The teacher advises me on how to reach my learning goals.	ST104Q05NA01 <input type="radio"/>	ST104Q05NA02 <input type="radio"/>	ST104Q05NA03 <input type="radio"/>	ST104Q05NA04 <input type="radio"/>

## How often do these things happen in your lessons for this science course?

(Remember to answer this question in reference to the 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 compares my performance to what we have been studying in class.	ST105Q01NA01 <input type="radio"/>	ST105Q01NA02 <input type="radio"/>	ST105Q01NA03 <input type="radio"/>	ST105Q01NA04 <input type="radio"/>
The teacher lets me know whether I have correctly completed more or fewer tasks than my classmates.	ST105Q02NA01 <input type="radio"/>	ST105Q02NA02 <input type="radio"/>	ST105Q02NA03 <input type="radio"/>	ST105Q02NA04 <input type="radio"/>
The teacher compares my performance with my previous achievement.	ST105Q03NA01 <input type="radio"/>	ST105Q03NA02 <input type="radio"/>	ST105Q03NA03 <input type="radio"/>	ST105Q03NA04 <input type="radio"/>
The teacher compares my performance with what students in my grade should be able to achieve.	ST105Q04NA01 <input type="radio"/>	ST105Q04NA02 <input type="radio"/>	ST105Q04NA03 <input type="radio"/>	ST105Q04NA04 <input type="radio"/>
The teacher tells me if my performance is better or worse than the achievement of the rest of my class.	ST105Q05NA01 <input type="radio"/>	ST105Q05NA02 <input type="radio"/>	ST105Q05NA03 <input type="radio"/>	ST105Q05NA04 <input type="radio"/>
The teacher tells me if my work has improved or declined compared to my previous achievements.	ST105Q06NA01 <input type="radio"/>	ST105Q06NA02 <input type="radio"/>	ST105Q06NA03 <input type="radio"/>	ST105Q06NA04 <input type="radio"/>
The teacher lets me know whether I have correctly completed all tasks that I am supposed to accomplish.	ST105Q07NA01 <input type="radio"/>	ST105Q07NA02 <input type="radio"/>	ST105Q07NA03 <input type="radio"/>	ST105Q07NA04 <input type="radio"/>
The teacher compares my performance with the achievement of the rest of my class.	ST105Q08NA01 <input type="radio"/>	ST105Q08NA02 <input type="radio"/>	ST105Q08NA03 <input type="radio"/>	ST105Q08NA04 <input type="radio"/>

The teacher lets me know whether I have correctly completed more or fewer tasks in a recent test compared to previous tests.

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ST105Q09NA01



ST105Q09NA02



ST105Q09NA03



ST105Q09NA04



## How do you respond to the teacher's feedback for this science course?

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

(Please select one response in each row.)

	<i>Never or almost never</i>	<i>Sometimes</i>	<i>Often</i>	<i>Always or almost always</i>
I put more effort into my work.	ST106Q01NA01 <input type="radio"/>	ST106Q01NA02 <input type="radio"/>	ST106Q01NA03 <input type="radio"/>	ST106Q01NA04 <input type="radio"/>
I change my learning strategies.	ST106Q02NA01 <input type="radio"/>	ST106Q02NA02 <input type="radio"/>	ST106Q02NA03 <input type="radio"/>	ST106Q02NA04 <input type="radio"/>
I focus on my weaknesses.	ST106Q03NA01 <input type="radio"/>	ST106Q03NA02 <input type="radio"/>	ST106Q03NA03 <input type="radio"/>	ST106Q03NA04 <input type="radio"/>
I practise specific kinds of tasks that I would like to improve.	ST106Q04NA01 <input type="radio"/>	ST106Q04NA02 <input type="radio"/>	ST106Q04NA03 <input type="radio"/>	ST106Q04NA04 <input type="radio"/>
I prepare better for lessons.	ST106Q05NA01 <input type="radio"/>	ST106Q05NA02 <input type="radio"/>	ST106Q05NA03 <input type="radio"/>	ST106Q05NA04 <input type="radio"/>
I focus on preparing for written tests.	ST106Q06NA01 <input type="radio"/>	ST106Q06NA02 <input type="radio"/>	ST106Q06NA03 <input type="radio"/>	ST106Q06NA04 <input type="radio"/>

### How often do these things happen in your lessons for this science course?

(Remember to answer this question in reference to the 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 adapts the lesson to my class's needs and knowledge.	ST107Q01NA01 <input type="radio"/>	ST107Q01NA02 <input type="radio"/>	ST107Q01NA03 <input type="radio"/>	ST107Q01NA04 <input type="radio"/>
The teacher provides individual help when a student has difficulties understanding a topic or task.	ST107Q02NA01 <input type="radio"/>	ST107Q02NA02 <input type="radio"/>	ST107Q02NA03 <input type="radio"/>	ST107Q02NA04 <input type="radio"/>
The teacher changes the structure of the lesson on a topic that most students find difficult to understand.	ST107Q03NA01 <input type="radio"/>	ST107Q03NA02 <input type="radio"/>	ST107Q03NA03 <input type="radio"/>	ST107Q03NA04 <input type="radio"/>
The teacher provides individual support for advanced students.	ST107Q04NA01 <input type="radio"/>	ST107Q04NA02 <input type="radio"/>	ST107Q04NA03 <input type="radio"/>	ST107Q04NA04 <input type="radio"/>

**Thinking of your past two lessons in this science course: how much do you disagree or agree with the following statements?**

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

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

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
The teacher made me feel confident in my ability to do well in the course.	ST108Q01NA01 <input type="radio"/>	ST108Q01NA02 <input type="radio"/>	ST108Q01NA03 <input type="radio"/>	ST108Q01NA04 <input type="radio"/>
The teacher listened to my view on how to do things.	ST108Q02NA01 <input type="radio"/>	ST108Q02NA02 <input type="radio"/>	ST108Q02NA03 <input type="radio"/>	ST108Q02NA04 <input type="radio"/>
I felt that my teacher understood me.	ST108Q03NA01 <input type="radio"/>	ST108Q03NA02 <input type="radio"/>	ST108Q03NA03 <input type="radio"/>	ST108Q03NA04 <input type="radio"/>
I felt confident in my ability to learn this material.	ST108Q04NA01 <input type="radio"/>	ST108Q04NA02 <input type="radio"/>	ST108Q04NA03 <input type="radio"/>	ST108Q04NA04 <input type="radio"/>

**Thinking of your past two lessons in this science course: how much do you disagree or agree with the following statements?**

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

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

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
The teacher provided me with different alternatives (e.g. learning materials or tasks).	ST109Q01NA01 <input type="radio"/>	ST109Q01NA02 <input type="radio"/>	ST109Q01NA03 <input type="radio"/>	ST109Q01NA04 <input type="radio"/>
The teacher encouraged us to find the best way to proceed by ourselves.	ST109Q02NA01 <input type="radio"/>	ST109Q02NA02 <input type="radio"/>	ST109Q02NA03 <input type="radio"/>	ST109Q02NA04 <input type="radio"/>
The teacher let me work on my own.	ST109Q03NA01 <input type="radio"/>	ST109Q03NA02 <input type="radio"/>	ST109Q03NA03 <input type="radio"/>	ST109Q03NA04 <input type="radio"/>
The teacher appreciated it when different solutions came up for discussion.	ST109Q04NA01 <input type="radio"/>	ST109Q04NA02 <input type="radio"/>	ST109Q04NA03 <input type="radio"/>	ST109Q04NA04 <input type="radio"/>



**Thinking of your past two lessons in this science course: how much do you disagree or agree with the following statements?**

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

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

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
I had the feeling that the teacher was interested in the topics.	ST110Q01NA01 <input type="radio"/>	ST110Q01NA02 <input type="radio"/>	ST110Q01NA03 <input type="radio"/>	ST110Q01NA04 <input type="radio"/>
The teacher was totally involved in the topic.	ST110Q02NA01 <input type="radio"/>	ST110Q02NA02 <input type="radio"/>	ST110Q02NA03 <input type="radio"/>	ST110Q02NA04 <input type="radio"/>
It was clear to me that the teacher liked teaching us.	ST110Q03NA01 <input type="radio"/>	ST110Q03NA02 <input type="radio"/>	ST110Q03NA03 <input type="radio"/>	ST110Q03NA04 <input type="radio"/>
I could see that the teacher enjoyed giving us the lesson.	ST110Q04NA01 <input type="radio"/>	ST110Q04NA02 <input type="radio"/>	ST110Q04NA03 <input type="radio"/>	ST110Q04NA04 <input type="radio"/>
The enthusiasm of the teacher inspired me.	ST110Q05NA01 <input type="radio"/>	ST110Q05NA02 <input type="radio"/>	ST110Q05NA03 <input type="radio"/>	ST110Q05NA04 <input type="radio"/>
The teacher expressed that the topic is important to him/her.	ST110Q06NA01 <input type="radio"/>	ST110Q06NA02 <input type="radio"/>	ST110Q06NA03 <input type="radio"/>	ST110Q06NA04 <input type="radio"/>
It was clear that the teacher likes to deal with the topic of the lesson.	ST110Q07NA01 <input type="radio"/>	ST110Q07NA02 <input type="radio"/>	ST110Q07NA03 <input type="radio"/>	ST110Q07NA04 <input type="radio"/>
The teacher showed enjoyment in teaching.	ST110Q08NA01 <input type="radio"/>	ST110Q08NA02 <input type="radio"/>	ST110Q08NA03 <input type="radio"/>	ST110Q08NA04 <input type="radio"/>



**Section D: Your Plans For Further Education**

**Which of the following do you expect to complete?**

*(Please select one response.)*

PMR/Lower Secondary

ST111Q01TA01

SPMV/Technical & Vocational

ST111Q01TA02

SPM/Upper secondary

ST111Q01TA03

STPM/Matriculation

ST111Q01TA04

Diploma/Skill Certificate

ST111Q01TA05

First Degree

ST111Q01TA06

PhD or Masters

ST111Q01TA07

**How much do you agree with the statement below?**

*(Please select one response.)*

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
I would like to study universal science after secondary school.	ST112Q01TA01 <input type="radio"/>	ST112Q01TA02 <input type="radio"/>	ST112Q01TA03 <input type="radio"/>	ST112Q01TA04 <input type="radio"/>

**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 science subject(s) is worth it because this will help me in the work I want to do later on.	ST113Q01TA01 <input type="radio"/>	ST113Q01TA02 <input type="radio"/>	ST113Q01TA03 <input type="radio"/>	ST113Q01TA04 <input type="radio"/>
What I learn in my science subject(s) is important for me because I need this for what I want to do later on.	ST113Q02TA01 <input type="radio"/>	ST113Q02TA02 <input type="radio"/>	ST113Q02TA03 <input type="radio"/>	ST113Q02TA04 <input type="radio"/>
Studying my science subject(s) is worthwhile for me because what I learn will improve my career prospects.	ST113Q03TA01 <input type="radio"/>	ST113Q03TA02 <input type="radio"/>	ST113Q03TA03 <input type="radio"/>	ST113Q03TA04 <input type="radio"/>
Many things I learn in my science subject(s) will help me to get a job.	ST113Q04TA01 <input type="radio"/>	ST113Q04TA02 <input type="radio"/>	ST113Q04TA03 <input type="radio"/>	ST113Q04TA04 <input type="radio"/>

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

Please type in the job title.

ST114Q01TA01

## How informed are you about these topics?

(Please select one response in each row.)

	<i>Very well informed</i>	<i>Fairly informed</i>	<i>Not well informed</i>	<i>Not informed at all</i>
Science-related careers that are available in the job market.	ST115Q01TA01 <input type="radio"/>	ST115Q01TA02 <input type="radio"/>	ST115Q01TA03 <input type="radio"/>	ST115Q01TA04 <input type="radio"/>
Where to find information about science-related careers	ST115Q02TA01 <input type="radio"/>	ST115Q02TA02 <input type="radio"/>	ST115Q02TA03 <input type="radio"/>	ST115Q02TA04 <input type="radio"/>
The steps students need to take if they want a science-related career	ST115Q03TA01 <input type="radio"/>	ST115Q03TA02 <input type="radio"/>	ST115Q03TA03 <input type="radio"/>	ST115Q03TA04 <input type="radio"/>
Employers or companies that hire people to work in science-related careers	ST115Q04TA01 <input type="radio"/>	ST115Q04TA02 <input type="radio"/>	ST115Q04TA03 <input type="radio"/>	ST115Q04TA04 <input type="radio"/>



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