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 are about science at school. Please think of all the different subjects and courses in your school that teach content related to science. Your school might teach science in different subjects such as physics, chemistry, biology, Earth and geology, space and astronomy, applied sciences and technology. Or your school might teach a general, integrated, or comprehensive science course (which might just be called 'science').

Please note that the forward button used to go on to the next question is at the bottom right hand corner of your screen. Sometimes you may need to scroll down to the bottom of your screen to see the 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 year group are you in?

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

Year group: ST001Q01TA01 Select...

- Year group: (ST001Q01TA01)
  Select...
  P7
  S1
  S2
  S3
  S4
  S5
  S6

Which one of the following courses of study do you mainly follow?

(Please select one response.)

I am in the Senior Phase and studying mainly towards qualifications at SCQF level 1-5 (Awards, Skills for Work, National 1 to 5 or Intermediates)	ST002Q01TA01 ○
I am in the Senior Phase and studying mainly towards qualifications at SCQF level 6 or 7 (Highers, Advanced Highers)	ST002Q01TA02 ○
I am in the Senior Phase and studying mainly towards National Progression Award or National Certificate at SCQF level 1-5	ST002Q01TA03 ○
I am in the Senior Phase and studying mainly towards National Progression Award or National Certificate at SCQF level 6	ST002Q01TA04 ○
I am studying a broad general education and studying directly for some qualifications at SCQF level 1-5 (Awards, Skills for Work Courses)	ST002Q01TA05 ○
I am studying a broad general education/not studying directly for any of these qualifications yet	ST002Q01TA06 ○

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
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  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 (invigilator) for help.

(Please select one response.)

Higher grade, 'A' level or equivalent	ST005Q01TA01 ○
Apprenticeship, SCOTVEC, standard grade, GCSE, 'O' grade or equivalent	ST005Q01TA02 ○
Left school at 15	ST005Q01TA03 ○
Completed primary school but didn't go to secondary	ST005Q01TA04 ○
She did not complete primary school	ST005Q01TA05 ○

Does your mother have any of the following qualifications?

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

(Please select one response in each row.)

	Yes	*No*
A doctorate or higher degree (e.g. MPhil, PhD)	ST006Q01TA01 ○	ST006Q01TA02 ○
A university degree (e.g. BA, BSc, BEd) or Masters degree (e.g. MA, MSc, MBA)	ST006Q02TA01 ○	ST006Q02TA02 ○
HNC, HND, Nursing diploma or similar	ST006Q03TA01 ○	ST006Q03TA02 ○
BTEC, City and Guilds, ONC	ST006Q04TA01 ○	ST006Q04TA02 ○

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

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

(Please select one response.)

Higher grade, 'A' level or equivalent	ST007Q01TA01 ○
Apprenticeship, SCOTVEC, standard grade, GCSE, 'O' grade or equivalent	ST007Q01TA02 ○
Left school at 15	ST007Q01TA03 ○
Completed primary school but didn't go to secondary	ST007Q01TA04 ○
He did not complete primary school	ST007Q01TA05 ○

Does your father have any of the following qualifications?

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

(Please select one response in each row.)

	Yes	*No*
A doctorate or higher degree (e.g. MPhil, PhD)	ST008Q01TA01 ○	ST008Q01TA02 ○
A university degree (e.g. BA, BSc, BEd) or Masters degree (e.g. MA, MSc, MBA)	ST008Q02TA01 ○	ST008Q02TA02 ○
HNC, HND, Nursing diploma or similar	ST008Q03TA01 ○	ST008Q03TA02 ○
BTEC, City and Guilds, ONC	ST008Q04TA01 ○	ST008Q04TA02 ○

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 ○	ST011Q01TA02 ○
A room of your own	ST011Q02TA01 ○	ST011Q02TA02 ○
A quiet place to study	ST011Q03TA01 ○	ST011Q03TA02 ○
A computer you can use for school work	ST011Q04TA01 ○	ST011Q04TA02 ○
Educational software	ST011Q05TA01 ○	ST011Q05TA02 ○
A link to the internet	ST011Q06TA01 ○	ST011Q06TA02 ○
Classic literature (e.g. Burns, Scott, Shakespeare)	ST011Q07TA01 ○	ST011Q07TA02 ○
Books of poetry	ST011Q08TA01 ○	ST011Q08TA02 ○
Works of art (e.g. paintings)	ST011Q09TA01 ○	ST011Q09TA02 ○
Books to help with your school work	ST011Q10TA01 ○	ST011Q10TA02 ○

Technical reference books	ST011Q11TA01 ○	ST011Q11TA02 ○
A dictionary	ST011Q12TA01 ○	ST011Q12TA02 ○
A DVD player	ST011Q13TA01 ○	ST011Q13TA02 ○
Flat screen TV	ST011Q14NA01 ○	ST011Q14NA02 ○
Satellite or cable TV	ST011Q15NA01 ○	ST011Q15NA02 ○
Books on art, music or design	ST011Q16NA01 ○	ST011Q16NA02 ○
A premium TV package (e.g. Sky Movies, Sky Sports)	ST011Q17TA01 ○	ST011Q17TA02 ○
A musical instrument (e.g. piano, violin)	ST011Q18TA01 ○	ST011Q18TA02 ○
Do your parents pay for a cleaner to clean your home?	ST011Q19TA01 ○	ST011Q19TA02 ○

How many of these are there at your home?

(Please select one response in each row.)

	None	*One*	*Two*	*Three or more*
Televisions	ST012Q01TA01 ○	ST012Q01TA02 ○	ST012Q01TA03 ○	ST012Q01TA04 ○
Cars	ST012Q02TA01 ○	ST012Q02TA02 ○	ST012Q02TA03 ○	ST012Q02TA04 ○
Bathrooms (rooms with a bath or shower)	ST012Q03TA01 ○	ST012Q03TA02 ○	ST012Q03TA03 ○	ST012Q03TA04 ○
Mobile phones without internet access	ST012Q04NA01 ○	ST012Q04NA02 ○	ST012Q04NA03 ○	ST012Q04NA04 ○
Mobile phones with internet access (e.g. smartphones)	ST012Q05NA01 ○	ST012Q05NA02 ○	ST012Q05NA03 ○	ST012Q05NA04 ○
Computers (desktop computer, portable laptop, or notebook)	ST012Q06NA01 ○	ST012Q06NA02 ○	ST012Q06NA03 ○	ST012Q06NA04 ○
Tablet computers (e.g. iPad®, BlackBerry® PlayBook)	ST012Q07NA01 ○	ST012Q07NA02 ○	ST012Q07NA03 ○	ST012Q07NA04 ○
E-book readers (e.g. Kindle, Kobo, Nook®)	ST012Q08NA01 ○	ST012Q08NA02 ○	ST012Q08NA03 ○	ST012Q08NA04 ○
Musical instruments (e.g. guitar, piano)	ST012Q09NA01 ○	ST012Q09NA02 ○	ST012Q09NA03 ○	ST012Q09NA04 ○

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 school books.

(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 secondary 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 secondary 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 does and 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 ○	ST091BQ01N01 ○
Small Business Owner (Includes owners of small businesses [fewer than 25 employees] such as retail shops, services, restaurants)	ST091AQ01N02 ○	ST091BQ01N02 ○
Clerk (Includes office clerks; secretaries; typists; data entry operators; customer service clerks)	ST091AQ01N03 ○	ST091BQ01N03 ○
Service or Sales Worker (Includes travel attendants; restaurant service workers; personal care workers; protective service workers; salespersons)	ST091AQ01N04 ○	ST091BQ01N04 ○
Skilled Agricultural or Fishery Worker (Includes farmers; forestry workers; fishery workers, hunters and trappers)	ST091AQ01N05 ○	ST091BQ01N05 ○
Craft or Trade Worker (Includes builders, carpenters, plumbers, electricians, etc.; metal workers; machine mechanics; handicraft workers)	ST091AQ01N06 ○	ST091BQ01N06 ○
Machine Operator (Includes machine operators; assembly line operators; motor vehicle drivers)	ST091AQ01N07 ○	ST091BQ01N07 ○
General Labourers	ST091AQ01N08	ST091BQ01N08

(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 have never heard of this	*I have heard about this but I would not be able to explain what it is really about*	*I know something about this and could explain the general issue*	*I am familiar with this and I would be able to explain this well*
The increase of greenhouse gases in the atmosphere	ST092Q01TA01 ○	ST092Q01TA02 ○	ST092Q01TA03 ○	ST092Q01TA04 ○
The use of genetically modified organisms (GMO)	ST092Q02TA01 ○	ST092Q02TA02 ○	ST092Q02TA03 ○	ST092Q02TA04 ○
Acid rain	ST092Q03TA01 ○	ST092Q03TA02 ○	ST092Q03TA03 ○	ST092Q03TA04 ○
Nuclear waste	ST092Q04TA01 ○	ST092Q04TA02 ○	ST092Q04TA03 ○	ST092Q04TA04 ○
The consequences of clearing forests for other land use	ST092Q05TA01 ○	ST092Q05TA02 ○	ST092Q05TA03 ○	ST092Q05TA04 ○
Air pollution	ST092Q06NA01 ○	ST092Q06NA02 ○	ST092Q06NA03 ○	ST092Q06NA04 ○
Energy shortage	ST092Q07NA01 ○	ST092Q07NA02 ○	ST092Q07NA03 ○	ST092Q07NA04 ○
Extinction of plants and animals	ST092Q08NA01 ○	ST092Q08NA02 ○	ST092Q08NA03 ○	ST092Q08NA04 ○
Water shortage	ST092Q09NA01 ○	ST092Q09NA02 ○	ST092Q09NA03 ○	ST092Q09NA04 ○

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.)

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

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

(Please select one response in each row.)

	Strongly disagree	*Disagree*	*Agree*	*Strongly agree*
I generally have fun when I am learning science topics.	ST094Q01NA01 ○	ST094Q01NA02 ○	ST094Q01NA03 ○	ST094Q01NA04 ○
I like reading about science.	ST094Q02NA01 ○	ST094Q02NA02 ○	ST094Q02NA03 ○	ST094Q02NA04 ○
I am happy working on science topics.	ST094Q03NA01 ○	ST094Q03NA02 ○	ST094Q03NA03 ○	ST094Q03NA04 ○
I enjoy acquiring new knowledge about science.	ST094Q04NA01 ○	ST094Q04NA02 ○	ST094Q04NA03 ○	ST094Q04NA04 ○
I am interested in learning about science.	ST094Q05NA01 ○	ST094Q05NA02 ○	ST094Q05NA03 ○	ST094Q05NA04 ○

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

(Please select one response in each row.)

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

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

How interested are you in the following school subjects?

(Please answer only for those subjects that you are doing this year or did last year. Otherwise, select the box 'I don't do this subject'.)

(Please select one response in each row.)

	Not interested	*Hardly interested*	*Interested*	*Highly interested*	*I don't do this subject*
English	ST096Q01NA01 ○	ST096Q01NA02 ○	ST096Q01NA03 ○	ST096Q01NA04 ○	ST096Q01NA05 ○
Mathematics	ST096Q02NA01 ○	ST096Q02NA02 ○	ST096Q02NA03 ○	ST096Q02NA04 ○	ST096Q02NA05 ○
Earth science or geology	ST096Q03NA01 ○	ST096Q03NA02 ○	ST096Q03NA03 ○	ST096Q03NA04 ○	ST096Q03NA05 ○
Chemistry	ST096Q04NA01 ○	ST096Q04NA02 ○	ST096Q04NA03 ○	ST096Q04NA04 ○	ST096Q04NA05 ○
Biology	ST096Q05NA01 ○	ST096Q05NA02 ○	ST096Q05NA03 ○	ST096Q05NA04 ○	ST096Q05NA05 ○
Space science or astronomy	ST096Q06NA01 ○	ST096Q06NA02 ○	ST096Q06NA03 ○	ST096Q06NA04 ○	ST096Q06NA05 ○
Physics	ST096Q07NA01 ○	ST096Q07NA02 ○	ST096Q07NA03 ○	ST096Q07NA04 ○	ST096Q07NA05 ○
Applied sciences and technology	ST096Q08NA01 ○	ST096Q08NA02 ○	ST096Q08NA03 ○	ST096Q08NA04 ○	ST096Q08NA05 ○
General, integrated, or comprehensive science	ST096Q09NA01 ○	ST096Q09NA02 ○	ST096Q09NA03 ○	ST096Q09NA04 ○	ST096Q09NA05 ○

Social sciences (e.g. economics, geography)	ST096Q10NA01 ○	ST096Q10NA02 ○	ST096Q10NA03 ○	ST096Q10NA04 ○	ST096Q10NA05 ○
Sports/physical education	ST096Q11NA01 ○	ST096Q11NA02 ○	ST096Q11NA03 ○	ST096Q11NA04 ○	ST096Q11NA05 ○
Foreign language(s)	ST096Q12NA01 ○	ST096Q12NA02 ○	ST096Q12NA03 ○	ST096Q12NA04 ○	ST096Q12NA05 ○
Arts	ST096Q13NA01 ○	ST096Q13NA02 ○	ST096Q13NA03 ○	ST096Q13NA04 ○	ST096Q13NA05 ○

Section C: Science Learning In School

Which of the following science subjects did you do at school this year or last year?

(Please select all that apply in each row.)

	This year	*Last year*
Physics	ST063Q01NA01 ☐	ST063Q01NB02 ☐
Chemistry	ST063Q02NA01 ☐	ST063Q02NB02 ☐
Biology	ST063Q03NA01 ☐	ST063Q03NB02 ☐
Earth’s Materials and/or Space	ST063Q04NA01 ☐	ST063Q04NB02 ☐
Applied science and technology (e.g. National Certificate in Applied Sciences)	ST063Q05NA01 ☐	ST063Q05NB02 ☐
General, integrated, or comprehensive science course (e.g. National 4 Science)	ST063Q06NA01 ☐	ST063Q06NB02 ☐

Branching rule

Rule: IF (^ST063Q01NA01 >0 OR ^ST063Q02NA01 >0 OR ^ST063Q03NA01 >0 OR ^ST063Q04NA01 >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.)

	Every lesson	*Most lessons*	*Some lessons*	*Never or hardly ever*
Students don’t listen to what the teacher says.	ST097Q01TA01 ○	ST097Q01TA02 ○	ST097Q01TA03 ○	ST097Q01TA04 ○
There is noise and disorder.	ST097Q02TA01 ○	ST097Q02TA02 ○	ST097Q02TA03 ○	ST097Q02TA04 ○
The teacher has to wait a long time for students to settle down.	ST097Q03TA01 ○	ST097Q03TA02 ○	ST097Q03TA03 ○	ST097Q03TA04 ○
Students cannot work well.	ST097Q04TA01 ○	ST097Q04TA02 ○	ST097Q04TA03 ○	ST097Q04TA04 ○
Students don’t start working for a long time after the lesson begins.	ST097Q05TA01 ○	ST097Q05TA02 ○	ST097Q05TA03 ○	ST097Q05TA04 ○

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

(Please select one response in each row.)

	In all lessons	*In most lessons*	*In some lessons*	*Never or hardly ever*
Students are given opportunities to explain their ideas	ST098Q01TA01 ○	ST098Q01TA02 ○	ST098Q01TA03 ○	ST098Q01TA04 ○
Students spend time in the laboratory doing practical experiments	ST098Q02TA01 ○	ST098Q02TA02 ○	ST098Q02TA03 ○	ST098Q02TA04 ○
Students are required to discuss or debate science questions.	ST098Q03NA01 ○	ST098Q03NA02 ○	ST098Q03NA03 ○	ST098Q03NA04 ○
The conclusions of experiments are based on students' expectations and understanding.	ST098Q04NA01 ○	ST098Q04NA02 ○	ST098Q04NA03 ○	ST098Q04NA04 ○
Students are asked to draw conclusions from an experiment they have conducted	ST098Q05TA01 ○	ST098Q05TA02 ○	ST098Q05TA03 ○	ST098Q05TA04 ○
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 ○	ST098Q06TA02 ○	ST098Q06TA03 ○	ST098Q06TA04 ○
Students are allowed to design their own experiments	ST098Q07TA01 ○	ST098Q07TA02 ○	ST098Q07TA03 ○	ST098Q07TA04 ○
There is a class debate about investigations.	ST098Q08NA01 ○	ST098Q08NA02 ○	ST098Q08NA03 ○	ST098Q08NA04 ○
The teacher clearly explains the relevance of science concepts to our lives	ST098Q09TA01 ○	ST098Q09TA02 ○	ST098Q09TA03 ○	ST098Q09TA04 ○

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

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.)

	Yes, students did this	*Yes, but the teacher only demonstrated this*	*No*
Searching the internet about science topics	ST099Q01NA01 ○	ST099Q01NA02 ○	ST099Q01NA03 ○
Analysing data from (real or simulated) science experiments using a spreadsheet program (e.g. Microsoft Excel, OpenOffice Calc)	ST099Q02NA01 ○	ST099Q02NA02 ○	ST099Q02NA03 ○
Presenting results from (real or simulated) science experiments, using a presentation software (e.g. Microsoft PowerPoint, OpenOffice Impress)	ST099Q03NA01 ○	ST099Q03NA02 ○	ST099Q03NA03 ○
Studying science topics through multi-media content (e.g. simulations of natural phenomena)	ST099Q04NA01 ○	ST099Q04NA02 ○	ST099Q04NA03 ○
Studying science topics through learning games (e.g. science experiment games)	ST099Q05NA01 ○	ST099Q05NA02 ○	ST099Q05NA03 ○
Learning about science topics by watching science videos	ST099Q06NA01 ○	ST099Q06NA02 ○	ST099Q06NA03 ○
Planning and running simulated laboratory experiments	ST099Q07NA01 ○	ST099Q07NA02 ○	ST099Q07NA03 ○

When answering the following questions, please keep one of your current science subjects in mind all the time.

You are free to choose which course this should be.

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

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.)

	Every lesson	*Most lessons*	*Some lessons*	*Never or hardly ever*
The teacher shows an interest in every student's learning.	ST100Q01TA01 ○	ST100Q01TA02 ○	ST100Q01TA03 ○	ST100Q01TA04 ○
The teacher gives extra help when students need it.	ST100Q02TA01 ○	ST100Q02TA02 ○	ST100Q02TA03 ○	ST100Q02TA04 ○
The teacher helps students with their learning.	ST100Q03TA01 ○	ST100Q03TA02 ○	ST100Q03TA03 ○	ST100Q03TA04 ○
The teacher continues teaching until the students understand.	ST100Q04TA01 ○	ST100Q04TA02 ○	ST100Q04TA03 ○	ST100Q04TA04 ○
The teacher gives students an opportunity to express opinions.	ST100Q05TA01 ○	ST100Q05TA02 ○	ST100Q05TA03 ○	ST100Q05TA04 ○

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.)

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

How often do these things happen in your science lessons?

(Please select one response in each row.)

	Every lesson	*Most lessons*	*Some lessons*	*Never or hardly ever*
The teacher sets clear goals for our learning.	ST102Q01TA01 ○	ST102Q01TA02 ○	ST102Q01TA03 ○	ST102Q01TA04 ○
The teacher asks questions to check whether we have understood what was taught.	ST102Q02TA01 ○	ST102Q02TA02 ○	ST102Q02TA03 ○	ST102Q02TA04 ○
At the beginning of a lesson, the teacher presents a short summary of the previous lesson.	ST102Q03TA01 ○	ST102Q03TA02 ○	ST102Q03TA03 ○	ST102Q03TA04 ○
The teacher tells us what we have to learn.	ST102Q04TA01 ○	ST102Q04TA02 ○	ST102Q04TA03 ○	ST102Q04TA04 ○

In lessons for this science subject, how often do the following things happen?

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

	Never or almost never	*Some lessons*	*Many lessons*	*Every lesson or almost every lesson*
The teacher explains scientific ideas.	ST103Q01NA01 ○	ST103Q01NA02 ○	ST103Q01NA03 ○	ST103Q01NA04 ○
A small group discussion between students takes place.	ST103Q02NA01 ○	ST103Q02NA02 ○	ST103Q02NA03 ○	ST103Q02NA04 ○
A whole class discussion takes place with the teacher.	ST103Q03NA01 ○	ST103Q03NA02 ○	ST103Q03NA03 ○	ST103Q03NA04 ○
Current scientific issues are discussed.	ST103Q04NA01 ○	ST103Q04NA02 ○	ST103Q04NA03 ○	ST103Q04NA04 ○
Students make calculations using scientific formulas.	ST103Q05NA01 ○	ST103Q05NA02 ○	ST103Q05NA03 ○	ST103Q05NA04 ○
The teacher uses an interactive whiteboard.	ST103Q06NA01 ○	ST103Q06NA02 ○	ST103Q06NA03 ○	ST103Q06NA04 ○
Students do their own scientific study and related research.	ST103Q07NA01 ○	ST103Q07NA02 ○	ST103Q07NA03 ○	ST103Q07NA04 ○
The teacher discusses our questions.	ST103Q08NA01 ○	ST103Q08NA02 ○	ST103Q08NA03 ○	ST103Q08NA04 ○
Students carry out practical work.	ST103Q09NA01 ○	ST103Q09NA02 ○	ST103Q09NA03 ○	ST103Q09NA04 ○

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

In lessons for this science subject, how often do the following things happen?

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

	Never or almost never	*Some lessons*	*Many lessons*	*Every lesson or almost every lesson*
The teacher tells me how I am peforming in this subject.	ST104Q01NA01 ○	ST104Q01NA02 ○	ST104Q01NA03 ○	ST104Q01NA04 ○
The teacher gives me feedback on my strengths in this science subject.	ST104Q02NA01 ○	ST104Q02NA02 ○	ST104Q02NA03 ○	ST104Q02NA04 ○
The teacher tells me in which areas I can still improve.	ST104Q03NA01 ○	ST104Q03NA02 ○	ST104Q03NA03 ○	ST104Q03NA04 ○
The teacher tells me how I can improve my performance.	ST104Q04NA01 ○	ST104Q04NA02 ○	ST104Q04NA03 ○	ST104Q04NA04 ○
The teacher advises me on how to reach my learning goals.	ST104Q05NA01 ○	ST104Q05NA02 ○	ST104Q05NA03 ○	ST104Q05NA04 ○

In lessons for this science subject, how often do the following things happen?

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

	Never or almost never	*In some lessons*	*In many lessons*	*In every lesson or almost every lesson*
The teacher marks my work (checking that I have learnt what was taught).	ST105Q01NA01 ○	ST105Q01NA02 ○	ST105Q01NA03 ○	ST105Q01NA04 ○
The teacher lets me know whether I have correctly completed more or fewer tasks than my classmates.	ST105Q02NA01 ○	ST105Q02NA02 ○	ST105Q02NA03 ○	ST105Q02NA04 ○
The teacher compares my performance with my previous achievement.	ST105Q03NA01 ○	ST105Q03NA02 ○	ST105Q03NA03 ○	ST105Q03NA04 ○
The teacher compares my performance with what students in my year should be able to achieve.	ST105Q04NA01 ○	ST105Q04NA02 ○	ST105Q04NA03 ○	ST105Q04NA04 ○
The teacher tells me if my performance is better or worse than the achievement of the rest of my class.	ST105Q05NA01 ○	ST105Q05NA02 ○	ST105Q05NA03 ○	ST105Q05NA04 ○
The teacher tells me if my work has improved or declined compared to my previous achievements.	ST105Q06NA01 ○	ST105Q06NA02 ○	ST105Q06NA03 ○	ST105Q06NA04 ○
The teacher lets me know whether I have correctly completed all tasks that I am supposed to accomplish.	ST105Q07NA01 ○	ST105Q07NA02 ○	ST105Q07NA03 ○	ST105Q07NA04 ○
The teacher compares my performance with the achievement of the rest of my class.	ST105Q08NA01 ○	ST105Q08NA02 ○	ST105Q08NA03 ○	ST105Q08NA04 ○

The teacher lets me know whether I have correctly completed more or fewer tasks in a recent test compared to previous tests.	ST105Q09NA01 ○	ST105Q09NA02 ○	ST105Q09NA03 ○	ST105Q09NA04 ○

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

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

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

In lessons for this science subject, how often do the following things happen?

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

	Never or almost never	*In some lessons*	*In many lessons*	*In every lesson or almost every lesson*
The teacher adapts the lesson to my class's needs and knowledge.	ST107Q01NA01 ○	ST107Q01NA02 ○	ST107Q01NA03 ○	ST107Q01NA04 ○
The teacher provides individual help when a student has difficulties understanding a topic or task.	ST107Q02NA01 ○	ST107Q02NA02 ○	ST107Q02NA03 ○	ST107Q02NA04 ○
The teacher changes the structure of the lesson on a topic that most students find difficult to understand.	ST107Q03NA01 ○	ST107Q03NA02 ○	ST107Q03NA03 ○	ST107Q03NA04 ○
The teacher provides individual support for advanced students.	ST107Q04NA01 ○	ST107Q04NA02 ○	ST107Q04NA03 ○	ST107Q04NA04 ○

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

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

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

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

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

	Strongly disagree	*Disagree*	*Agree*	*Strongly agree*
The teacher provided different options for us to choose from (e.g. a range of learning materials or tasks).	ST109Q01NA01 ○	ST109Q01NA02 ○	ST109Q01NA03 ○	ST109Q01NA04 ○
The teacher encouraged us to find the best way to proceed by ourselves.	ST109Q02NA01 ○	ST109Q02NA02 ○	ST109Q02NA03 ○	ST109Q02NA04 ○
The teacher let me work on my own.	ST109Q03NA01 ○	ST109Q03NA02 ○	ST109Q03NA03 ○	ST109Q03NA04 ○
The teacher was pleased when different solutions came up for discussion.	ST109Q04NA01 ○	ST109Q04NA02 ○	ST109Q04NA03 ○	ST109Q04NA04 ○

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

(Remember to answer this question referring to the science subject you named earlier.)

(Please select one response in each row.)

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

Section D: Your Plans For Further Education

Which of the following levels of qualification is the highest level you expect to achieve?

(Please select one response.)

Qualifications at Access 1, 2 or 3, or National 1, 2 or 3, or Skills for Work National 3	ST111Q01TA01 ○
Secondary school qualifications (usually taken at the end of S4), e.g. Intermediate 1 or 2, or National 4 or 5, or Skills for Work National 4 or 5	ST111Q01TA02 ○
Qualifications at the end of secondary education that are needed to get in to university, e.g. Highers, or Skills for Work Highers, or Advanced Highers, or Scottish Baccalaureates	ST111Q01TA03 ○
A qualification for adults who want to go to university but don't have the necessary qualifications already, e.g. access course	ST111Q01TA04 ○
A university qualification below degree level that provides skills and knowledge needed for employment at middle management and technician level, e.g. Higher National Certificate (HNC), or Higher National Diploma (HND)	ST111Q01TA05 ○
A university degree (e.g. BA, BSc, BEd) or Masters degree (e.g. MA, MSc, MBA) or higher degree (e.g. MPhil, PhD)	ST111Q01TA06 ○

How much do you agree with the statement below?

(Please select one response.)

Please note, unlike earlier questions, 'Strongly disagree' is now on the right and 'Strongly agree' is on the left.

	Strongly agree	*Agree*	*Disagree*	*Strongly disagree*
I would like to study science after secondary school	ST112Q01TA01 ○	ST112Q01TA02 ○	ST112Q01TA03 ○	ST112Q01TA04 ○

How much do you agree with the statements below?

(Please select one response in each row.)

	Strongly Agree	*Agree*	*Disagree*	*Strongly Disagree*
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 ○	ST113Q01TA02 ○	ST113Q01TA03 ○	ST113Q01TA04 ○
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 ○	ST113Q02TA02 ○	ST113Q02TA03 ○	ST113Q02TA04 ○
Studying my science subject(s) is worthwhile for me because what I learn will improve my career prospects	ST113Q03TA01 ○	ST113Q03TA02 ○	ST113Q03TA03 ○	ST113Q03TA04 ○
Many things I learn in my science subject(s) will help me to get a job.	ST113Q04TA01 ○	ST113Q04TA02 ○	ST113Q04TA03 ○	ST113Q04TA04 ○

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.)

	Very well informed	*Fairly informed*	*Not well informed*	*Not informed at all*
Science-related careers that are available in the job market	ST115Q01TA01 ○	ST115Q01TA02 ○	ST115Q01TA03 ○	ST115Q01TA04 ○
Where to find information about science-related careers	ST115Q02TA01 ○	ST115Q02TA02 ○	ST115Q02TA03 ○	ST115Q02TA04 ○
The steps students need to take if they want a science-related career	ST115Q03TA01 ○	ST115Q03TA02 ○	ST115Q03TA03 ○	ST115Q03TA04 ○
Employers or companies that recruit people to work in science-related careers	ST115Q04TA01 ○	ST115Q04TA02 ○	ST115Q04TA03 ○	ST115Q04TA04 ○

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