

PARENT QUESTIONNAIRE FOR PISA 2015

(INTERNATIONAL OPTION)

FIELD TRIAL VERSION

CY6_QST_FT_PaQ_NoNotes

Core 6
March 2013

What is this questionnaire about?

The student who brought this questionnaire home was selected to participate in the Programme for International Student Assessment (PISA), a research study which mainly focuses on the scientific literacy of students who are 15 years old, but which also includes an assessment of mathematics and reading. The study is organised by the Organisation for Economic Co-operation and Development (OECD) and it surveys students from about 70 different countries.

In the PISA study, students are asked to answer questions concerning scientific, mathematical, reading, and problem solving literacy, and to provide information on their background, beliefs and opinions on issues that generally relate to science, schooling and their careers. As part of the study, we are also surveying students' parents on a number of similar topics including:

- Information about the student and the family
- Your child's school
- Your child's educational pathway
- Your views on science and the environment
- Background information

The information you provide will be extremely valuable in building up a picture of how scientific literacy develops in students and what influences its development.

When I am asked about science, what should I think about?

For the purpose of this questionnaire, science refers to the skills and knowledge acquired in subjects like physics, chemistry and biology.

Who should complete this questionnaire?

This questionnaire should be completed by a parent (or jointly by both parents) or other guardian of the student. To make the wording of the questions simple, the student who brought this questionnaire home is often referred to as 'your child'.

We ask you to respond to all the questions you feel comfortable answering. There are no right or wrong answers and we assure you that your responses to this questionnaire will be kept confidential.

More information on the PISA study can be found on the internet at www.pisa.oecd.org and www.scotland.gov.uk/pisa

SECTION A: YOUR FAMILY

PA001 Who will complete this questionnaire?

(Please tick all that apply.)

Mother or other female guardian	<input type="checkbox"/>
Father or other male guardian	<input type="checkbox"/>
Other	<input type="checkbox"/>

Please answer this question thinking about the student who brought this questionnaire home.

PA002 Thinking back to when your child was about 10 years old, how often would your child have done these things?

(Please tick only one box in each row.)

	<i>Very often</i>	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>
Watched TV programmes about science	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Read books on scientific discoveries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watched, read or listened to science fiction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visited websites about science topics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attended a science club	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction play, e.g. Lego bricks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Taken apart technical devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fixed broken objects or items, e.g. broken electronic toys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Experimented with a science kit, electronics kit, or chemistry set, or used a microscope or telescope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Played computer games with a science content	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA003 **How often do you or someone else in your home do the following things with your child?**

(Please tick only one box in each row.)

	<i>Never or hardly ever</i>	<i>Once or twice a year</i>	<i>Once or twice a month</i>	<i>Once or twice a week</i>	<i>Every day or almost every day</i>
Discuss how well my child is doing at school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Eat the main meal with my child around a table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spend time just talking to my child.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Help my child with his/her science homework.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ask how my child is getting on in science at school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Get science-related materials for my child (e.g. apps, software, study guides etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discuss with my child how science is used in everyday life.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discuss science-related career options with my child.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA004 **Thinking about this school year, to what extent do you agree with the following statements?**

(Please tick only one box in each row.)

	<i>Strongly disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly agree</i>
I am interested in my child's school activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am supportive of my child's efforts at school and his/her achievements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support my child when he/she is facing difficulties at school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I encourage my child to be confident.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support school rules / school discipline.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I try to protect my child from family problems that may interfere with his/her schooling.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I encourage my child to learn new skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I provide support to my child to complete his/her school tasks on a regular basis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I ask my child about what he/she is learning in order to help him/her get a deeper understanding of it.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION B: YOUR CHILD'S SCHOOL

We are interested in the options you had as parents when choosing the school your child is currently attending.

PA005 Which of the following statements best describes the schooling available to students in your location?

(Please tick only one box.)

There are two or more other schools in this area that compete with the school my child is currently attending.

There is one other school in this area that competes with the school my child is currently attending.

There are no other schools in this area that compete with the school my child is currently attending.

PA006 How important are the following reasons for choosing a school for your child?

(Please tick only one box in each row.)

	<i>Not important</i>	<i>Somewhat important</i>	<i>Important</i>	<i>Very important</i>
The school is a short distance from home.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school has a good reputation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school offers particular courses or school subjects.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school adheres to a particular religious philosophy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school has a particular approach to teaching and learning (e.g. Montessori, Steiner).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other family members attended the school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fees and expenses are low (e.g. tuition, books, room and board).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school has financial aid available, such as a school loan, scholarship, or grant.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The school has an active and pleasant school climate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The academic achievements of students in the school are high.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is a safe school environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA008 This school year, have you participated in any of the following school-related activities?

(Please tick only one box in each row.)

	<i>Yes</i>	<i>No</i>	<i>Not offered by school</i>
Discussed my child's <u>behaviour</u> with a teacher after requesting the meeting myself.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discussed my child's <u>behaviour</u> at a meeting requested by a teacher.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discussed my child's <u>progress</u> with a teacher after requesting the meeting myself.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discussed my child's <u>progress</u> at a meeting requested by a teacher.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Participated in school government, e.g. parent council or school management committee.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volunteered in physical or extra-curricular activities (e.g. building maintenance, carpentry, gardening, school play, sports, field trip).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volunteered to support school activities (volunteered in the school library, media centre, or canteen, assisted a teacher, appeared as a guest speaker).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attended a scheduled meeting for parents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Talked about how to support learning at home and homework with my child's teachers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchanged ideas on parenting, family support, or the child's development with my child's teachers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA009 This school year, has your participation in activities at your child's school been hindered by any of the following issues?

(Please tick only one box in each row.)

	<i>Yes</i>	<i>No</i>
The meeting times were inconvenient.	<input type="checkbox"/>	<input type="checkbox"/>
I was not able to get time off from work.	<input type="checkbox"/>	<input type="checkbox"/>
I had no one to take care of my child(ren).	<input type="checkbox"/>	<input type="checkbox"/>
The way to school is unsafe.	<input type="checkbox"/>	<input type="checkbox"/>
I had problems with transportation.	<input type="checkbox"/>	<input type="checkbox"/>
I felt unwelcome at my child's school.	<input type="checkbox"/>	<input type="checkbox"/>
I feel generally awkward in a school.	<input type="checkbox"/>	<input type="checkbox"/>
My language skills were not sufficient.	<input type="checkbox"/>	<input type="checkbox"/>
I think participation is not relevant for my child's development.	<input type="checkbox"/>	<input type="checkbox"/>
I do not know how I could participate in school activities.	<input type="checkbox"/>	<input type="checkbox"/>
My child does not want me to participate.	<input type="checkbox"/>	<input type="checkbox"/>

PA010 **How important are the following reasons for getting involved with your child's school?**

(Please tick only one box in each row.)

	<i>Not important</i>	<i>Somewhat important</i>	<i>Important</i>	<i>Very important</i>
My child benefits from my involvement in school in terms of academic achievement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My participation helps my child to integrate in school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By co-operating with my child's teachers, I get to know my child's teachers better.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Being involved in my child's school allows me to learn more about my child's school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Being involved in my child's school helps me to meet other parents.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By co-operating with my child's teachers, I get to know my child better.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
By being involved with my child's school I get to know my child's friends.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA011 We are interested in parents' interaction with the child's school-friends and school staff.

(Please tick only one box in each row.)

	<i>0</i>	<i>1-2</i>	<i>3-5</i>	<i>6 or more</i>
How many parents of your child's school-friends do you know?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many school-friends of your child do you know by name?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
How many of the school staff would you feel comfortable talking to if you had a question about your child?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA012 How important are the following topics of communication between parents and teachers for you?

(Please tick only one box in each row.)

	<i>Not important</i>	<i>Somewhat important</i>	<i>Important</i>	<i>Very important</i>
Questions related to children's academic achievement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Questions related to the choice of school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Questions related to children's transfer or change of school.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concerns related to children's behaviour problems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concerns related to children's difficulties with learning.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information about ways to help children with their homework.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information related to individual encouragement of children.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specific concerns related to parents from other countries.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concerns related to children's addiction problems, e.g. alcohol, smoking, video games.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA013 **How important are the following ways of communicating with your child's school for you?**

(Please tick only one box in each row.)

	<i>Not important</i>	<i>Somewhat important</i>	<i>Important</i>	<i>Very important</i>	<i>Not possible at my child's school</i>
Communication by notes and letters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scheduled parent-teacher meeting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phone calls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communication via internet or text messages (email, website, SMS, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unscheduled informal meetings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION C: EDUCATIONAL PATHWAYS IN EARLY CHILDHOOD

PA014 At what age did your child start attending primary school?

_____ years old

PA015 In what year did your child start primary school?

Year: 20_____

PA016 **Compared to compulsory school starting age, when did your child start primary school?**

Children in Scotland usually start school between 4½ and 5½ years old.

(Please tick only one box.)

At the age required

Earlier than required

Later than required

PA017 Was it compulsory for your child to attend a nursery or other education or care arrangement prior to Primary 1?

(Please tick only one box in each row.)

	<i>No</i>	<i>Yes, compulsory attendance for up to one year</i>	<i>Yes, compulsory attendance for more than one year</i>
Supervision and care (e.g. with a relative or a nursery providing care rather than early education)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Early childhood educational development (e.g. a nursery providing early education for children under 3 years old)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-primary education (e.g. a nursery providing pre-school education for children from 3 until the start of primary school)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA018 Did your child regularly attend somewhere with one of the following main purposes prior to Primary 1?

(Please tick only one box in each row.)

	<i>Yes</i>	<i>No</i>	
Supervision and care (e.g. with a relative or a nursery providing care rather than early education)	<input type="checkbox"/>	<input type="checkbox"/>	<i>If yes, please answer questions 19-22</i>
Early childhood educational development (e.g. a nursery providing early education for children under 3 years old)	<input type="checkbox"/>	<input type="checkbox"/>	<i>If yes, please answer questions 23-26</i>
Pre-primary education (e.g. a nursery providing pre-school education for children from 3 until the start of primary school)	<input type="checkbox"/>	<input type="checkbox"/>	<i>If yes, please answer questions 27 - 30</i>

If your child did not attend somewhere providing supervision, care or early education before starting Primary 1, please go to question 31.

PA019 At what ages did your child attend somewhere providing supervision and care prior to Primary 1 (e.g. with a relative or a nursery providing care rather than early education)?

(Please tick all that apply.)

- Up to age 1
- Age 1
- Age 2
- Age 3
- Age 4
- Age 5
- Age 6

PA020 **Who took care of or educated your child in the supervision and care arrangement?**

(Please tick all that apply.)

An underage sibling of the child

An adult relative of the child (e.g. grandparent)

An adult not trained in childcare who is not a relative (e.g. babysitter, friend, neighbour)

A trained adult (e.g. teacher, nursery nurse)

PA021 **Where was your child cared for (while in the supervision and care arrangement)?**

(Please tick all that apply.)

The child's own home

Another person's private home

An institutional setting (e.g. a nursery)

Another place

PA022 **What was the most important reason that your child attended somewhere providing supervision and care?**

(Please tick only one box.)

Attendance was compulsory.

We/I could not care for the child (e.g. work, illness).

We/I wanted additional learning stimulation for the child (e.g. mixing with other children, starting to learn numbers and letters).

Most other children attended somewhere providing supervision and care.

Answer questions 23 to 26 if your child attended somewhere providing early childhood educational development (e.g. a nursery providing early education for children under 3 years old).

Otherwise, go to question 27.

PA023 At what ages did your child attend somewhere providing early childhood educational development prior to Primary 1 (e.g. a nursery providing early education)?

(Please tick all that apply.)

- Up to age 1
- Age 1
- Age 2
- Age 3
- Age 4
- Age 5
- Age 6

Please think of the last place providing early childhood educational development that your child attended before starting Primary 1 (e.g. a nursery providing early education for children under 3 years old).

PA024 What type of provider offered this early childhood educational development arrangement?

(Please tick only one box.)

A publicly managed and mainly publicly funded provider (e.g. a council-run nursery school or nursery class that provides mainly free places)

A privately managed nursery providing mainly publicly-funded nursery education (e.g. a community childcare centre that provides mainly free places funded by the local council)

A privately managed nursery providing mainly privately-funded nursery education (e.g. a private day nursery that provides mainly places paid for by parents)

PA025 **How many hours per week did your child attend somewhere providing early childhood educational development at the age of 3 years?**

(Please tick only one box.)

- 0 hours per week
- up to 10 hours per week
- 11-20 hours per week
- 21-30 hours per week
- 31-40 hours per week
- 41-50 hours per week
- 51 hours per week or more

PA026 **What was the most important reason that your child attended somewhere providing early childhood educational development?**

(Please tick only one box.)

Attendance was compulsory.

We/I could not care for the child (e.g. work, illness).

We/I wanted additional learning stimulation for the child (e.g. mixing with other children, starting to learn numbers and letters).

Most other children attended somewhere providing early childhood educational development.

Answer questions 27 to 30 if your child attended somewhere providing pre-primary education (e.g. a nursery providing pre-school education for children from 3 until the start of primary school).

Otherwise, go to question 31.

PA027 At what ages did your child attend pre-primary education prior to Primary 1 (e.g. a nursery providing pre-school education)?

(Please tick all that apply.)

Up to age 1

Age 1

Age 2

Age 3

Age 4

Age 5

Age 6

Please think of the last place providing pre-primary education that your child attended before starting Primary 1 (e.g. a nursery providing pre-school education for children from 3 until the start of primary school).

PA028 What type of provider offered this pre-primary education arrangement?

(Please tick only one box.)

A publicly managed and mainly publicly funded provider (e.g. a council-run nursery school or nursery class that provides mainly free places)

A privately managed nursery providing mainly publicly-funded nursery education (e.g. a community childcare centre that provides mainly free places funded by the local council)

A privately managed nursery providing mainly privately-funded nursery education (e.g. a private day nursery that provides mainly places paid for by parents)

PA029 **How many hours per week did your child attend somewhere providing pre-primary education at the age of 3 years?**

(Please tick only one box.)

- | | |
|---------------------------|--------------------------|
| 0 hours per week | <input type="checkbox"/> |
| up to 10 hours per week | <input type="checkbox"/> |
| 11-20 hours per week | <input type="checkbox"/> |
| 21-30 hours per week | <input type="checkbox"/> |
| 31-40 hours per week | <input type="checkbox"/> |
| 41-50 hours per week | <input type="checkbox"/> |
| 51 hours per week or more | <input type="checkbox"/> |

PA030 **What was the most important reason that your child attended somewhere providing pre-primary education?**

(Please tick only one box.)

Attendance was compulsory.

We/I could not care for the child (e.g. work, illness).

We/I wanted additional learning stimulation for the child (e.g. mixing with other children, starting to learn numbers and letters).

Most other children attended somewhere providing pre-primary education.

Answer question 31 if your child did not attend somewhere providing supervision, care, or early education before starting Primary 1.

Otherwise, go to question 32.

PA031 **What was the most important reason why your child did not attend a nursery or have another education or care arrangement?**

(Please tick only one box.)

Most children in our area did not attend one.

It was not available at all (i.e. did not exist).

It was not available for our child (i.e. no place available).

It was not necessary.

We did not consider it for the child.

It was too expensive.

It was not open in the hours we would have needed.

It might not have been safe for the child's health.

It might not have been good for the child's development.

We did not agree with the educational programme or teaching or learning approach of the places available.

Other

SECTION D: YOUR VIEWS ON SCIENCE AND THE ENVIRONMENT

The following questions refer to science-related careers. A science-related career is one that requires studying science at tertiary level (e.g. university). So, careers like engineer (involving physics), weather forecaster (involving Earth science), optician (involving biology and physics), and medical doctors (involving the medical sciences) are all examples of science-related careers.

PA032 Please answer the questions below.

(Please tick only one box in each row.)

	<i>Yes</i>	<i>No</i>
Does anybody in your family (including you) work in a science-related career?	<input type="checkbox"/>	<input type="checkbox"/>
Does your child show an interest in working in a science-related career?	<input type="checkbox"/>	<input type="checkbox"/>
Do you expect your child will go into a science-related career?	<input type="checkbox"/>	<input type="checkbox"/>
Has your child shown interest in studying science after completing secondary school?	<input type="checkbox"/>	<input type="checkbox"/>
Do you expect your child will study science after completing secondary school?	<input type="checkbox"/>	<input type="checkbox"/>

Science is an important part of the PISA study. We are interested in parents' opinions on science and on environmental issues.

The following question asks about your views towards science.

PA033 How much do you agree with the following statements?

(Please tick only one box in each row.)

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
Advances in science usually improve people's living conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science is important to help us to understand the natural world.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Some concepts in science help me to see how I relate to other people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advances in science usually help to improve the economy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There are many opportunities for me to use science in my everyday life.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science is valuable to society.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Science is very relevant to me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I find that science helps me to understand the things around me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advances in science usually bring social benefits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

We are interested in what you think about the need for scientific skills in the job market today.

PA034 How much do you agree with the following statements?

(Please tick only one box in each row.)

	<i>Strongly agree</i>	<i>Agree</i>	<i>Disagree</i>	<i>Strongly disagree</i>
It is important to have good scientific knowledge and skills in order to get any good job in today's world.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employers generally appreciate strong scientific knowledge and skills among their employees.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Most jobs today require some scientific knowledge and skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It is an advantage in the job market to have good scientific knowledge and skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA035 Do you see the environmental issues below as a serious concern for yourself and/or others?

(Please tick only one box in each row.)

	<i>This is a serious concern for me personally as well as others</i>	<i>This is a serious concern for other people in my country but not for me personally</i>	<i>This is a serious concern only for people in other countries</i>	<i>This is not a serious concern for anyone</i>
Air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy shortages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extinction of plants and animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearing of forests for other land use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water shortages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nuclear waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extreme weather conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Human contact with animal diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PA036 **Do you think problems associated with the environmental issues below will improve or get worse over the next 20 years?**

(Please tick only one box in each row.)

	<i>Improve</i>	<i>Stay about the same</i>	<i>Get worse</i>
Air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy shortages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extinction of plants and animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearing of forests for other land use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water shortages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nuclear waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extreme weather conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Human contact with animal diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION E: YOUR BACKGROUND

PA037 Does the child's father have any of the following qualifications?

(Please tick only one box in each row.)

	Yes	No
A university or higher degree (e.g. BA, BSc, MA, MSc, MPhil, PhD)	<input type="checkbox"/>	<input type="checkbox"/>
HNC, HND, nursing diploma or similar higher education qualification below degree level	<input type="checkbox"/>	<input type="checkbox"/>
BTEC, City and Guilds, ONC or similar qualification obtained at the end of school, or after leaving school	<input type="checkbox"/>	<input type="checkbox"/>
Higher grade, A-level or equivalent qualification	<input type="checkbox"/>	<input type="checkbox"/>

PA038 Does the child's mother have any of the following qualifications?

(Please tick only one box in each row.)

	<i>Yes</i>	<i>No</i>
A university or higher degree (e.g. BA, BSc, MA, MSc, MPhil, PhD)	<input type="checkbox"/>	<input type="checkbox"/>
HNC, HND, nursing diploma or similar higher education qualification below degree level	<input type="checkbox"/>	<input type="checkbox"/>
BTEC, City and Guilds, ONC or similar qualification obtained at the end of school, or after leaving school	<input type="checkbox"/>	<input type="checkbox"/>
Higher grade, A-level or equivalent qualification	<input type="checkbox"/>	<input type="checkbox"/>

PA039 In what country were the following people in the child’s family born?

(Please tick only one answer per column.)

	<i>Mother</i>	<i>Father</i>	<i>Maternal Grand-mother</i>	<i>Maternal Grand-father</i>	<i>Paternal Grand-mother</i>	<i>Paternal Grand-father</i>
Scotland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
England, Wales or Northern Ireland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other European Union* country	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other country outside of the European Union	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*European Union countries are: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain and Sweden.

PA040 In what country are the father and mother of the child legal citizens? If they hold dual citizenship, you may tick more than one country.

(Please tick as many as apply.)

	<i>Mother</i>	<i>Father</i>
United Kingdom	<input type="checkbox"/>	<input type="checkbox"/>
Other European Union country	<input type="checkbox"/>	<input type="checkbox"/>
Other country outside of the European Union	<input type="checkbox"/>	<input type="checkbox"/>

Please answer the following question thinking just of expenses related to the student who brought this questionnaire home.

PA041 In the last twelve months, about how much would you have paid to educational providers for services?

In determining this, please include any tuition fees you pay to your child's school, any other fees paid to individual teachers in the school or to other teachers for any tutoring your child receives.

*Do **not** include the costs of goods like sports equipment, school uniforms, computers or textbooks if they are not included in a general fee (that is, if you have to buy these things separately).*

(Please tick only one box.)

- | | |
|---------------------------------------|--------------------------|
| Nothing | <input type="checkbox"/> |
| More than £0 but less than £200 | <input type="checkbox"/> |
| £200 or more but less than £6000 | <input type="checkbox"/> |
| £6000 or more but less than £12,000 | <input type="checkbox"/> |
| £12,000 or more but less than £18,000 | <input type="checkbox"/> |
| £18,000 or more | <input type="checkbox"/> |

*Please remember we ask you to answer questions only if you feel comfortable doing so, and that all responses are kept **strictly confidential**.*

PA042 What is your annual household income?

Please add together the total income, before tax, from all members of your household.

(Please tick only one box.)

- | | |
|---------------------------------------|--------------------------|
| Less than £18,000 | <input type="checkbox"/> |
| £18,000 or more but less than £27,000 | <input type="checkbox"/> |
| £27,000 or more but less than £36,000 | <input type="checkbox"/> |
| £36,000 or more but less than £45,000 | <input type="checkbox"/> |
| £45,000 or more but less than £54,000 | <input type="checkbox"/> |
| £54,000 or more | <input type="checkbox"/> |

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