## OECD Programme for International Student Assessment 2012

# SCHOOL QUESTIONNAIRE FOR PISA 2012

Main Survey

No notes version

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#### Consortium:

Australian Council for Educational Research (ACER, Australia)

cApStAn Linguistic Quality Control (Belgium)

Deutsches Institut für Internationale Pädagogische Forschung (DIPF, Germany)

Educational Testing Service (ETS, USA)

Institutt for Lærerutdanning og Skoleutvikling (ILS, Norway)

Leibniz - Institute for Science and Mathematics Education (IPN, Germany)

National Institute for Educational Policy Research (NIER, Japan)

The Tao Initiative: CRP - Henri Tudor and Université de Luxembourg - EMACS (Luxembourg)

Unité d'analyse des systèmes et des pratiques d'enseignement (aSPe, Belgium)

Westat (USA)

This questionnaire asks for information including:

- The structure and organisation of the school;
- The student and teacher body;
- The school's resources;
- The school's instruction, curriculum and assessment;
- The school climate;
- The school's policies and practices.

This information helps illustrate the similarities and differences between groups of schools in order to better establish the context for students' test results. For example, the information provided may help to establish what effect the availability of resources may have on student achievement – both within and between countries.

The questionnaire should be completed by the principal or designate. It should take about 30 minutes to complete.

For some questions specific expertise may be needed. You may consult experts to help you answer these questions.

If you do not know an answer precisely, your best estimate will be adequate for the purposes of the study.

Your answers will be kept confidential. They will be combined with answers from other principals to calculate totals and averages in which no one school can be identified.

### SECTION A: THE STRUCTURE AND ORGANISATION OF THE SCHOOL

<school reminder note>

institution.)

Q

Is your school a public or a private school?

(Please tick only one box.)

A public school

(This is a school managed directly or indirectly by a public education authority, government agency, or governing board appointed by government or elected by public franchise.)

A private school

(This is a school managed directly or indirectly by a non-government

organisation; e.g. a church, trade union, business, or other private

### Q About what percentage of your total funding for a typical school year comes from the following sources?

(Please write a number in each row. Write 0 (zero) if no funding comes from that source.)

	%
a) Government (includes departments, local, regional, state and national)	
b) Student fees or school charges paid by parents	
c) Benefactors, donations, bequests, sponsorships, parent fundraising	
d) Other	
Total	100%

Q	Which of the following definitions best describes the community in which your school is located?	
	(Please tick only one box.)	
	A village, hamlet or rural area (fewer than 3 000 people)	
	A small town (3 000 to about 15 000 people)	
	A town (15 000 to about 100 000 people)	$\square_3$
	A city (100 000 to about 1 000 000 people)	
	A large city (with over 1 000 000 people)	
		SC04
Q	We are interested in the options parents have when choos school for their children.	ing a
	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 for our studen	nts.
	There is one other school in this area that competes for our students.	
	There are no other schools in this area that compete for our students.	

### Q What is the average size of <test language> classes in <national modal grade for 15-year-olds> in your school?

 (Please tick only one box.)

 15 students or fewer
  $\Box_{01}$  

 16-20 students
  $\Box_{02}$  

 21-25 students
  $\Box_{03}$  

 26-30 students
  $\Box_{04}$  

 31-35 students
  $\Box_{05}$  

 36-40 students
  $\Box_{06}$  

 41-45 students
  $\Box_{07}$  

 46-50 students
  $\Box_{08}$  

 More than 50 students
  $\Box_{08}$ 

#### **SECTION B: THE STUDENT AND TEACHER BODY**

<school reminder note>

SC07

	(Please write a number on each line. Write 0 (zero) if there are non	1e.)
		<i>ic.</i> )
8	a) Number of boys:	
ł	o) Number of girls:	
		SC09
Q	How many of the following teachers are on the staff of y	our/
	school?	
	•	
	<b>School?</b> Include both full-time and part-time teachers. A full-time teacher is employed least 90% of the time as a teacher for the full school year. All other teachers	ed at
	Include both full-time and part-time teachers. A full-time teacher is employed least 90% of the time as a teacher for the full school year. All other teachers should be considered part-time.  (Please write a number in each space provided. Write 0 (zero) if are none.)	ed at
	Include both full-time and part-time teachers. A full-time teacher is employed least 90% of the time as a teacher for the full school year. All other teachers should be considered part-time.  (Please write a number in each space provided. Write 0 (zero) if are none.)	ed at there
	Include both full-time and part-time teachers. A full-time teacher is employed least 90% of the time as a teacher for the full school year. All other teachers should be considered part-time.  (Please write a number in each space provided. Write 0 (zero) if are none.)  Full-time Part	ed at there

### Q How many of the following are on the <mathematics staff> of your school?

*Include both full-time and part-time teachers.* A full-time teacher is employed at least 90% of the time as a teacher for the full school year. All other teachers should be considered part-time.

Please count only those teachers who have taught or will teach mathematics during the current school year.

(Please write a number in each space provided. Write 0 (zero) if there are none.)

		Full time	Part Tim
a)	Teachers of mathematics in TOTAL		
b)	Teachers of mathematics with an <isced5a> qualification</isced5a>		
c)	Teachers of mathematics with an <isced5a> qualification <with a="" major=""> in mathematics</with></isced5a>		
d)	Teachers of mathematics with an <isced5a> qualification in <pre>pedagogy&gt;</pre></isced5a>		
e)	Teachers of mathematics with an <isced5b> but not an <isced 5a=""> qualification</isced></isced5b>		

#### **SECTION C: THE SCHOOL'S RESOURCES**

#### <school reminder note>

The goal of the following set of three questions is to gather information about the student-computer ratio for students in the <national modal grade for 15-year-olds> at your school.

		SC11
		Number
Q	At your school, what is the total number of students in the <national 15-year-olds="" for="" grade="" modal="">?</national>	
Q	Approximately, how many computers are available for these students for educational purposes?	
Q	Approximately, how many of these computers are connected to the Internet/World Wide Web?	

# In all subjects taken together, for how much of the work does the school expect <national modal grade for 15-year-olds> students to access the Internet/ World Wide Web?

	<10%	10- 25%	26-50%	51-75%	>75%
a) Work during lessons			$\square_3$	$\square_4$	
b) Homework			$\square_3$	$\square_4$	
c) Assignments or projects					

## Q Is your school's capacity to provide instruction hindered by any of the following issues?

		Not at all	Very little	To some extent	A lot
a)	A lack of qualified science teachers			$\square_3$	4
b)	A lack of qualified mathematics teachers				$\bigsqcup_4$
c)	A lack of qualified <test language=""> teachers</test>				$\square_4$
d)	A lack of qualified teachers of other subjects				$\square_4$
e)	Shortage or inadequacy of science laboratory equipment				
f)	Shortage or inadequacy of instructional materials (e.g. textbooks)				$\square_4$
g)	Shortage or inadequacy of computers for instruction				$\square_4$
h)	Lack or inadequacy of Internet connectivity				$\square_4$
i)	Shortage or inadequacy of computer software for instruction				
j)	Shortage or inadequacy of library materials			$\square_3$	$\square_4$
k)	Shortage or inadequacy of school buildings and grounds				
1)	Shortage or inadequacy of heating/cooling and lighting systems				
m)	Shortage or inadequacy of instructional space (e.g. classrooms)				

## SECTION D: SCHOOL INSTRUCTION CURRICULUM AND ASSESSMENT

<school reminder note>

SC15

Q	Schools sometimes organise instruction differently for students		
	with different abilities and interests in mathematics. Which of the		
	following options describe what your school does for		
	<national 15-year-olds="" for="" grade="" modal=""> students in</national>		
	mathematics classes?		

	For all classes	For some classes	Not for any classes
a) Mathematics classes study similar content, but at different levels of difficulty.			
b) Different classes study different content or sets of mathematics topics that have different levels of difficulty.			
c) Students are grouped by ability within their mathematics classes.			
d) In mathematics classes, teachers use pedagogy suitable for students with heterogeneous abilities (i.e. students are not grouped by ability).			

#### Q <This academic year>, which of the following activities does your school offer to students in the <national modal grade for 15-years-olds>?

		Yes	No
a)	Band, orchestra or choir		
b)	School play or school musical		
c)	School yearbook, newspaper or magazine		
d)	Volunteering or service activities, e.g. <national examples=""></national>		
e)	Mathematics club		
f)	Mathematics competitions, e.g. <national examples=""></national>		
g)	Chess club		
h)	Club with a focus on computers/ Information and Communication Technology		
i)	Art club or art activities		
j)	Sporting team or sporting activities		
k)	<country item="" specific=""></country>		

# In your school, are assessments of students in <national modal grade for 15-year-olds> used for any of the following purposes?

		Yes	No
a) To info	rm parents about their child's progress		$\square_{_2}$
b) To mak	te decisions about students' retention or promotion		$\square_{_2}$
c) To grou	up students for instructional purposes		$\square_{_2}$
d) To com	apare the school to <district national="" or=""> performance</district>		$\square_{_2}$
e) To mor	nitor the school's progress from year to year		
f) To mak	te judgements about teachers' effectiveness		
	atify aspects of instruction or the curriculum ald be improved		
h) To com	apare the school with other schools		

### Q In your school, are achievement data used in any of the following <accountability procedures>?

Achievement data include **aggregated** school or grade-level test scores or grades, or graduation rates.

	O .		
	(Please tick one box in each row.)		
		Yes	No
a)	Achievement data are posted publicly (e.g. in the media)		
b)	Achievement data are tracked over time by an administrative authority		

# Q Does your school offer mathematics lessons in addition to the mathematics lessons offered during the usual school hours?

	nours?	
	(Please tick only one box.)	
	Yes	go to the next question
	No $\square_2$	. go to Q <x></x>
		SC21
Q	What is the purpose of these additional m lessons?	athematics
	(Please tick only one box.)	
	<enrichment mathematics=""> only</enrichment>	
	<remedial mathematics=""> only</remedial>	
	Both <enrichment mathematics=""> and <remedial mathematics=""></remedial></enrichment>	
	Without differentiation depending on the prior achieveme level of the students	nt

#### **SECTION E: SCHOOL CLIMATE**

<school reminder note>

SC22

### Q In your school, to what extent is the learning of students hindered by the following phenomena?

		Not at all	Very little	To some extent	A lot
a)	Student truancy			$\square_{_3}$	$\square_4$
b)	Students skipping classes			$\square_{_{3}}$	$\square_4$
c)	Students arriving late for school				$\square_{_4}$
d)	Students not attending compulsory school events (e.g. sports day) or excursions			$\square_{_3}$	$\square_{_{4}}$
e)	Students lacking respect for teachers			$\square_3$	$\square_4$
f)	Disruption of classes by students			$\square_{_3}$	$\Box_4$
g)	Student use of alcohol or illegal drugs			$\square_{_3}$	
h)	Students intimidating or bullying other students			$\square_{_{3}}$	
i)	Students not being encouraged to achieve their full potential				$\square_{_{4}}$
j)	Poor student-teacher relations			$\square_3$	4
k)	Teachers having to teach students of heterogeneous ability levels within the same class				
1)	Teachers having to teach students of diverse ethnic backgrounds (i.e. language, culture) within the same class				
m)	Teachers' low expectations of students			$\square_3$	$\square_{_{4}}$

	Not at all	Very little	To some extent	A lot
n) Teachers not meeting individual students' needs				
o) Teacher absenteeism			$\square_3$	$\square_4$
p) Staff resisting change				
q) Teachers being too strict with students			$\square_{_{3}}$	
r) Teachers being late for classes			$\square_{_{3}}$	
s) Teachers not being well prepared for classes				

Q	proportion of students left your school without a <pre>certificate or qualification that allows students to enter post-school destinations such as university, technical, further or vocational</pre>				
	education, apprenticeships or employment>?	%			
		SC24			
Q	Which statement below best characterises parental expectations towards your school?				
	(Please tick only one box.)				
	There is <i>constant pressure</i> from many parents, who expect our school to set very high academic standards and to have our students achieve them.				
	Pressure on the school to achieve higher academic standards among students comes from a <i>minority of parents</i> .				
	Pressure from parents on the school to achieve higher academic standards among students is <i>largely absent</i> .	$\square_3$			

# Q During <the last academic year>, what proportion of students' parents participated in the following school-related activities?

(Please write a number in each row. Write 0 (zero) if no parents participated in the activity. Write 100 (one hundred) if all parents participated in the activity.)

		%
a)	Discussed their child's behaviour with a teacher on their own initiative.	
b)	Discussed their child's behaviour on the initiative of one of their child's teachers.	
c)	Discussed their child's progress with a teacher on their own initiative.	
d)	Discussed their child's progress on the initiative of one of their child's teachers.	
e)	Volunteered in physical activities, e.g. building maintenance, carpentry, gardening or yard work.	
f)	Volunteered in extra-curricular activities, e.g. book club, school play, sports, field trip.	
g)	Volunteered in the school library or media centre.	
h)	Assisted a teacher in the school.	
i)	Appeared as a guest speaker.	
j)	Participated in local school <government>, e.g. parent council or school management committee.</government>	
k)	Assisted in fundraising for the school.	
1)	Volunteered in the school <canteen>.</canteen>	

## Q Think about the teachers in your school. How much do you agree with the following statements?

	Strongly agree	Agree	Disagree	Strongl <sub>e</sub> disagre
a) The morale of teachers in this school is high.			$\square_3$	
b) Teachers work with enthusiasm.				
c) Teachers take pride in this school.			$\square_3$	
d) Teachers value academic achievement.				

## Q How much do you agree with these statements about teachers in your school?

		Strongly agree	Agree	Disagree	Strongly disagree
a)	Mathematics teachers are interested in trying new methods and teaching practices.				
b)	There is a preference among mathematics teachers to stay with well-known methods and practices.			$\square_3$	
					SC28
c)	There is consensus among mathematics teachers that academic achievement must be kept as high as possible.				
d)	There is consensus among mathematics teachers that it is best to adapt academic standards to the students' levels and needs.				
					SC29
e)	There is consensus among mathematics teachers that the social and emotional development of the students is as important as their acquisition of mathematical skills and knowledge in mathematics classes.				
f)	There is consensus among mathematics teachers that the development of mathematical skills and knowledge in students is the most important objective in mathematics classes.				

# Q During the last year, have any of the following methods been used to monitor the practice of <u>mathematics</u> teachers at your school?

 (Please tick one box in each row.)

 Yes
 No

 a) Tests or assessments of student achievement
  $\Box_1$  

 b) Teacher peer review (of lesson plans, assessment instruments, lessons)
  $\Box_1$  

 c) Principal or senior staff observations of lessons
  $\Box_1$  

 d) Observation of classes by inspectors or other persons external to the school
  $\Box_1$ 

## Q To what extent have appraisals of and/or feedback to teachers directly led to the following?

	No change	A small change	A moderate change	A large change
a) A change in salary			$\square_3$	
b) A financial bonus or another kind of monetary reward			$\square_3$	$\square_4$
c) Opportunities for professional development activities				4
d) A change in the likelihood of career advancement			$\square_{_3}$	
e) Public recognition from you			$\square_3$	
f) Changes in work responsibilities that make the job more attractive			$\square_3$	
g) A role in school development initiatives (e.g. curriculum development group, development of school objectives)				

#### **SECTION F: SCHOOL POLICIES AND PRACTICES**

<school reminder note>

SC32

### Q How often are the following factors considered when students are admitted to your school?

	Never	Sometimes	Aiway
a) Student's record of academic performance (including placement tests)			
b) Recommendation of feeder schools			$\square_3$
c) Parents' endorsement of the instructional or religious philosophy of the school			
d) Whether the student requires or is interested in a special programme			
e) Preference given to family members of current or former students			$\square_3$
f) Residence in a particular area			$\square_{_3}$
g) Other			$\square_3$

## Q Regarding your school, who has a considerable responsibility for the following tasks?

(Please tick as many boxes as appropriate in each row.)

		Principal	Teachers	<school governing board&gt;</school 	<pre><regional authority="" education="" local="" or=""></regional></pre>	National education authority
a)	Selecting teachers for hire					
b)	Firing teachers					
c)	Establishing teachers' starting salaries					
d)	Determining teachers' salary increases					
e)	Formulating the school budget					
f)	Deciding on budget allocations within the school					
g)	Establishing student disciplinary policies					
h)	Establishing student assessment policies					
i)	Approving students for admission to the school					
j)	Choosing which textbooks are used					
k)	Determining course					
1)	Deciding which courses are offered					

# Q Below are statements about your management of this school. Please indicate the frequency of the following activities and behaviours in your school during <the last academic year>.

		Did not occur	1-2 times during the year	3-4 times during the year	Once a month	Once a week	More than once a week
a)	I work to enhance the school's reputation in the community.			$\square_{_{3}}$			6
b)	I use student performance results to develop the school's educational goals.		$\square_{_2}$				
c)	I make sure that the professional development activities of teachers are in accordance with the teaching goals of the school.						
d)	I ensure that teachers work according to the school's educational goals.		$\square_{_2}$				
e)	I promote teaching practices based on recent educational research.			$\square_3$	$\square_4$		
f)	I praise teachers whose students are actively participating in learning.			$\square_{_3}$			
g)	When a teacher has problems in his/her classroom, I take the initiative to discuss matters.				4		
h)	I draw teachers' attention to the importance of pupils' development of critical and social capacities.						

		Did not occur	1-2 times during the year	3-4 times during the year	Once a month	Once a week	More than once a week
i)	I pay attention to disruptive behaviour in classrooms.			$\square_{_{3}}$	$\square_4$		
j)	I provide staff with opportunities to participate in school decision-making.						
k)	I engage teachers to help build a school culture of continuous improvement.			$\square_3$			
1)	I ask teachers to participate in reviewing management practices.			$\square_{_{3}}$	$\square_4$		
m)	When a teacher brings up a classroom problem, we solve the problem together.		$\square_2$	$\square_3$		$\square_{5}$	
n)	I discuss the school's academic goals with teachers at faculty meetings.			$\square_{_3}$	$\square_4$		
o)	I refer to the school's academic goals when making curricular decisions with teachers.			$\square_3$	$\square_4$		
p)	I discuss academic performance results with the faculty to identify curricular strengths and weaknesses.						
q)	I lead or attend in-service activities concerned with instruction.			$\square_{_3}$			
r)	I set aside time at faculty meetings for teachers to share ideas or information from in- service activities.						

# Below are statements about your management of this school. Please indicate the frequency of the following activities and behaviours in your school during < the last academic year>.

	Did not occur	1-2 times during the year	3-4 times during the year	Once a month	Once a week	More than once a week
s) I conduct informal obser in classrooms on a regula (informal observations as unscheduled, last at least minutes, and may or may involve written feedback formal conference).	ar basis re 5			4		
t) I review work produced students when evaluating classroom instruction.	-		$\square_3$			
u) I evaluate the performand staff.	ce of					

## Q During the last three months, what percentage of teaching staff in your school has attended a programme of professional development with a focus on mathematics?

A programme of professional development here is a formal programme designed to enhance teaching skills or pedagogical practices. It may or may not lead to a recognised qualification. The programme must last for at least one day in total and have a focus on mathematics teaching and education.

a) All staff at your school	 %
b) Staff who teach mathematics at your school	%

## Q Which of the following measures aimed at quality assurance and improvement do you have in your school?

		Yes	No
a)	Written specification of the school's curricular profile and educational goals		
b)	Written specification of student performance standards		
c)	Systematic recording of data including teacher and student attendance and graduation rates, test results and professional development of teachers		
d)	Internal evaluation/self-evaluation		
e)	External evaluation		
f)	Seeking written feed-back from students (e.g. regarding lessons, teachers or resources)		
g)	Teacher mentoring		
h)	Regular consultation aimed at school improvement with one or more experts over a period of at least six months		
i)	Implementation of a standardised policy for mathematics (i.e. school curriculum with shared instructional materials accompanied by staff development and training)		

#### Q Which of the following statements apply in your school?

A policy refers to written rules known to those concerned with the policy.

	Yes	No
a) The school has a policy on how to use compathematics instruction (e.g. amount of coruse in mathematics lessons, use of specific mathematics computer programs).	<u>-</u>	
b) All <national 15-year-olds:="" classes="" for="" grade="" in="" mathematics="" modal="" satextbook.<="" school="" td="" the="" use=""><td></td><td></td></national>		
c) Mathematics teachers in the school follow a standardised curriculum that specifies conte least on a monthly basis.		

# In your school, how likely is it that a student in <national modal grade for 15-year-olds> would be transferred to another school for the following reasons?

(Please tick one box in each row.)

	Not likely	Likely	Very likely
a) Low academic achievement			$\square_{_{3}}$
b) High academic achievement			$\square_{_3}$
c) Behavioural problems			$\square_3$
d) Special learning needs			$\square_3$
e) Parents' or guardians' request			$\square_{_3}$
f) Other			

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

#### **SECTION G: FINANCIAL EDUCATION AT SCHOOL**

#### <school reminder note>

Q

No

The following five questions are about financial education/personal finance in your school. Financial education/personal finance involves the development of students' knowledge, confidence and skills relating to topics such as money and income; budgeting and long term planning; saving and spending; credit and debt; investment and insurance; the potential risks and benefits of financial products; and the financial landscape (including consumer rights and responsibilities and understanding of the wider financial, economic and social system).

SC47

Q	Which of the statements below best describes the situation for students in <national 15-year-olds="" for="" grade="" modal=""> regarding the availability of financial education in your school?</national>
	(Please tick only one box.)

(Please tick only one box.)		
Financial education is not available.		1
Financial education has been available for less than two	years.	2
Financial education has been available for two years or n	more.	3
		SC45
Is financial education compulsory in you	r school?	
(Please tick only one box.)		
Yes		

### Q Which of the statements below describe the teaching of financial education in your school?

For each statement, please indicate the number of hours of financial education of this type for students in <national modal grade for 15-year-olds> during <the last academic year>.

		Not at all	1-4 hours a year	5-19 hours year	20-49 hours a year	30 or more hours a year
a)	It is taught as a separate subject.	$\square_1$	$\square_2$	$\square_3$	$\square_4$	$\square_5$
b)	It is taught as a cross-curricular subject.		$\square_2$	$\square_3$	$\Box_4$	$\square_5$
c)	It is taught as part of <business economics="" or=""> courses.</business>		$\square_2$	$\square_3$	$\Box_4$	$\square_5$
d)	It is taught as part of mathematics.		$\square_2$	$\square_3$	$\square_4$	$\square_5$
e)	It is taught as part of other social sciences and humanities subjects and/or literature/language (e.g. history, geography, <home economics="">, <citizenship>).</citizenship></home>		$\square_2$		$\square_4$	<sub>5</sub>
f)	It is available as an <extra- curricular activity&gt;.</extra- 		$\square_2$	$\square_3$	$\Box_4$	$\square_5$
g)	It is taught as part of <class lessons="" teacher="">.</class>		$\square_2$	$\square_3$	$\Box_4$	$\square_5$

### Q Who provides financial education in your school? (*Please tick one box in each row.*) Yes No a) Teachers $\bigsqcup_{1}$ b) People from private sector institutions (e.g. commercial bank, insurance company) c) People from public sector institutions (e.g. <ministry of finance>, <reserve bank>) d) People from non-government organisations, (e.g. <national examples>) SC51 During the last twelve months, what percentage of teaching Q staff in your school has attended a programme of professional development with a focus on financial education? A programme of professional development here is a formal programme designed to enhance teaching skills or pedagogical practices. It may or may not lead to a recognised qualification. The programme must last for at least one day in total and have a focus on the teaching of financial education. a) Staff who teach financial education in your school

b) All other teaching staff in your school

## SECTION H: ADDITIONAL QUESTION FOR ONLINE SCHOOL QUESTIONNAIRE

<school reminder note>

SC50

Is there any final comment that you wish to make regarding any aspect of the survey (e.g. content, mode of delivery)?