Identification Label



TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# School Questionnaire

<TIMSS National Research Center Name> <Address>



TIMSS & PIRLS International Study Center Lynch School of Education, Boston College

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### School Questionnaire

Your school has agreed to participate in TIMSS Advanced 2015 (Trends in International Mathematics and Science Study), an educational research project sponsored by the International Association for the Evaluation of Educational Achievement (IEA). TIMSS Advanced measures trends in student achievement in advanced mathematics and physics and studies differences in national education systems in order to help improve teaching and learning worldwide.

This questionnaire is addressed to school principals and department heads who are asked to supply information about their schools. Since your school has been selected as part of a nationwide sample, your responses are very important in helping to describe the school system in <country>.

It is important that you answer each question carefully so that the information provided reflects the situation in your school as accurately as possible. Some of the questions will require that you look up school records, so you may wish to arrange for the assistance of another staff member to help provide this information. Since TIMSS Advanced is an international study and all countries are using the same questionnaire, you may find that some of the questions seem unusual or are not entirely relevant to you or schools in <country>. Nevertheless, it is important that you do your best to answer all of the questions so comparisons can be made across countries in the study.

It is estimated that you will need approximately 30 minutes to complete this questionnaire. We appreciate the time and effort that this takes and thank you for your cooperation and contribution.

When you have completed the questionnaire, please place it in the accompanying envelope and return it to:

<Insert country-specific information here>.

Thank you.

# **TIMSS ADVANCED 2015**

1

What is the total enrollment of students in your school as of <first day of month TIMSS Advanced testing begins, 2015>?

\_\_\_\_\_ students Write in the number.

**2**1

What is the total enrollment of <<u>twelfth grade</u>> students in your school as of <first day of month TIMSS Advanced testing begins, 2015>?

\_\_\_\_\_ students *Write in the number.* 

3

## Approximately what percentage of students in your school have the following backgrounds?



4

Approximately what percentage of students in your school have <language of test> as their native language?



#### **5**1

A. How many people live in the city, town, or area where your school is located?



## B. Which best describes the immediate area in which your school is located?



# What percentage of <twelfth grade> students in your school are taking each of the following?



- a) <Advanced Mathematics> ---\_\_\_\_%
- b) <Physics> -----\_\_\_%

#### **Instructional Time**

#### 7 —

For the <twelfth grade> students in your school:

A. How many <u>days per year</u> is your school open for instruction?

\_\_\_\_\_ days Write in the number.

B. What is the total instructional time, excluding breaks, in a typical day?

\_\_\_\_\_ minutes Write in the number of minutes per day. Please convert the number of hours into minutes.

C. In one <u>calendar week</u>, how many days is the school open for instruction?



- 8
- A. Does your school have a school library?



#### lf Yes,

B. <u>Approximately</u> how many books (print and digital) with different titles does your school library have (exclude magazines and periodicals)?



C. <u>Approximately</u> how many titles of magazines and other periodicals (print and digital) does your school library have?



9

## How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

	Check <b>one</b> circle for each line.
	Not at all
	A little
	Some
	A lot
A. General School Resources	
a) Instructional materials (e.g., textbooks)	
b) Supplies (e.g., papers, pencils, materials)	-0-0-0
c) School buildings and grounds	-0-0-0-0
d) Heating/cooling and lighting systems	-0-0-0
e) Instructional space (e.g., classrooms)	-0-0-0
f) Technologically competent staff	-0-0-0-0
g) Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors)	-0-0-0-0
h) Computer technology for teaching and learning (e.g., computers or tablets for student use)	-0-0-0-0
i) Resources for students with disabilities	-0-0-0-0



4

10

How much do you agree with these statements about advanced mathematics and physics education within your school?

C	Theck <b>one</b> circle for each line.
Agree a lot	
	Agree a little
	Disagree a little
	Disagree
a) The school encourages students to study advanced mathematics and physics(	
b) The school promotes professional development for teachers of advanced mathematics and physics (	)-0-0-0
c) The school provides students with information about career options in advanced mathematics and physics (	)-0-0-0
d) The school has initiatives to promote student interest in advanced mathematics and physics (e.g., student clubs, competitions)(	)-0-0-0
e) The school has partnership initiatives with industry/ businesses in advanced mathematics and physics (	)-0-0-0
f) Advanced mathematics and physics teachers are admired by other teachers in the school (	)-0-0-0
a) Students at this school respect	

g) Students at this school respect students who excel in advanced mathematics and physics ----- O --- O 11

To what degree is each of the following a problem among <twelfth grade> students in your school?



How difficult was it to fill <twelfth grade> teaching vacancies for this school year for the following subjects?

#### Check **one** circle for each line.



13

Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <twelfth grade> teachers in the following fields?



14

To what degree is each of the following a problem among teachers in your school?



15 🗖

By the end of this school year, how many years will you have been a principal altogether?

\_\_\_\_\_years Please **round** to the nearest whole number.

16 🗖

By the end of this school year, how many years will you have been a principal at this school?

\_\_\_\_\_ years Please **round** to the nearest whole number.

17

What is the highest level of formal education you have completed?



18

Do you hold the following degrees in educational leadership?

Check one circle for each line.



# Thank You

Thank you for the thought, time, and effort you have put into completing this questionnaire.





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