TIMSS 2015

Identification Label

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

School Questionnaire

<Grade 4>

<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 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 measures trends in student achievement in mathematics and science and studies differences in national education systems in almost 60 countries 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 primary/elementary education 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 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 2015

1

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

_____ students
Write in the number.

2

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

_____ students
Write in the number.

3

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

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

	0 to 10%	11 to 25%	26 to 50%	More than 50%
a) Come from economically disadvantaged homes	◯	◯	◯	◯
b) Come from economically affluent homes	◯	◯	◯	◯

4

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

*Check **one** circle only.*

- More than 90% ◯
- 76 to 90% ◯
- 51 to 75% ◯
- 26 to 50% ◯
- 25% or less ◯

5

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

*Check **one** circle only.*

- More than 500,000 people ◯
- 100,001 to 500,000 people ◯
- 50,001 to 100,000 people ◯
- 30,001 to 50,000 people ◯
- 15,001 to 30,000 people ◯
- 3,001 to 15,000 people ◯
- 3,000 people or fewer ◯

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

*Check **one** circle only.*

- Urban–Densely populated ◯
- Suburban–On fringe or outskirts of urban area ◯
- Medium size city or large town ◯
- Small town or village ◯
- Remote rural ◯

6

Does your school provide free meals for students?

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

	Yes, for all students	Yes, for some students	No
a) Breakfast	○	○	○
b) Lunch	○	○	○

7

To what degree are the following health topics emphasized in your school?

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

	Very high	High	Medium	Low
a) Washing hands	○	○	○	○
b) Brushing teeth	○	○	○	○
c) A healthy diet/nutrition	○	○	○	○
d) Disease prevention	○	○	○	○

8

For the <fourth 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 <u>total instructional time</u>, excluding breaks, in a <u>typical day</u>?

_____ 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?

*Check **one** circle only.*

- 6 days ---
- 5 1/2 days ---
- 5 days ---
- 4 1/2 days ---
- 4 days ---
- Other ---

9

A. Does your school provide a place where students can work on their schoolwork before or after school?

*Check **one** circle only.*

- Yes ---
- No --- → **(If No, go to #10)**

If Yes,

B. Is someone available to assist them with their schoolwork?

*Check **one** circle only.*

- Yes ---
- No ---

10

As a general school policy, is student achievement used to assign <fourth grade> students to classes (e.g., streaming, tracking, setting)?

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

	Yes	No
a) For mathematics classes	○	○
b) For science classes	○	○

11

How many computers (including tablets) does your school have for use by <fourth grade> students?

_____ computers
Write in the number.

12

A. Does your school have a science laboratory that can be used by <fourth grade> students?

*Check **one** circle only.*

Yes ---
No ---

B. Do teachers usually have assistance available when students are conducting science experiments?

*Check **one** circle only.*

Yes ---
No ---

13

Does your school have a school library?

*Check **one** circle only.*

Yes ---
No --- → **(If No, go to #14)**

If Yes,

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

*Check **one** circle in each column.*

	Print	Digital
250 or fewer	◯	◯
251–500	◯	◯
501–2,000	◯	◯
2,001–5,000	◯	◯
5,001–10,000	◯	◯
More than 10,000	◯	◯

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

*Check **one** circle in each column.*

	Print	Digital
0	◯	◯
1–5	◯	◯
6–10	◯	◯
11–30	◯	◯
31 or more	◯	◯

14

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

*Check **one** 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)	○	○	○	○
c) School buildings and grounds	○	○	○	○
d) Heating/cooling and lighting systems	○	○	○	○
e) Instructional space (e.g., classrooms)	○	○	○	○
f) Technologically competent staff	○	○	○	○
g) Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors)	○	○	○	○
h) Computer technology for teaching and learning (e.g., computers or tablets for student use)	○	○	○	○
i) Resources for students with disabilities	○	○	○	○

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

	Not at all	A little	Some	A lot
B. Resources for Mathematics Instruction				
a) Teachers with a specialization in mathematics	○	○	○	○
b) Computer software/ applications for mathematics instruction	○	○	○	○
c) Library resources relevant to mathematics instruction	○	○	○	○
d) Calculators for mathematics instruction	○	○	○	○
e) Concrete objects or materials to help students understand quantities or procedures	○	○	○	○
C. Resources for Science Instruction				
a) Teachers with a specialization in science	○	○	○	○
b) Computer software/ applications for science instruction	○	○	○	○
c) Library resources relevant to science instruction	○	○	○	○
d) Science equipment and materials for experiments	○	○	○	○

School Emphasis on Academic Success

15

How would you characterize each of the following within your school?

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

	Very high	High	Medium	Low	Very low
a) Teachers' understanding of the school's curricular goals	○	○	○	○	○
b) Teachers' degree of success in implementing the school's curriculum	○	○	○	○	○
c) Teachers' expectations for student achievement	○	○	○	○	○
d) Teachers working together to improve student achievement	○	○	○	○	○
e) Teachers' ability to inspire students	○	○	○	○	○
f) Parental involvement in school activities	○	○	○	○	○
g) Parental commitment to ensure that students are ready to learn	○	○	○	○	○
h) Parental expectations for student achievement	○	○	○	○	○
i) Parental support for student achievement	○	○	○	○	○
j) Parental pressure for the school to maintain high academic standards	○	○	○	○	○
k) Students' desire to do well in school	○	○	○	○	○
l) Students' ability to reach school's academic goals	○	○	○	○	○
m) Students' respect for classmates who excel in school	○	○	○	○	○

School Discipline and Safety

16

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

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

	Not a problem	Minor problem	Moderate problem	Serious problem
a) Arriving late at school	○	○	○	○
b) Absenteeism (i.e., unjustified absences)	○	○	○	○
c) Classroom disturbance	○	○	○	○
d) Cheating	○	○	○	○
e) Profanity	○	○	○	○
f) Vandalism	○	○	○	○
g) Theft	○	○	○	○
h) Intimidation or verbal abuse among students (including texting, emailing, etc.)	○	○	○	○
i) Physical fights among students	○	○	○	○
j) Intimidation or verbal abuse of teachers or staff (including texting, emailing, etc.)	○	○	○	○

17

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

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

	Not a problem	Minor problem	Moderate problem	Serious problem
a) Arriving late or leaving early	○	○	○	○
b) Absenteeism	○	○	○	○

School Readiness

18

About how many of the students in your school can do the following when they begin the <first grade> of primary/elementary school?

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

	Less than 25%	25–50%	51–75%	More than 75%
a) Recognize most of the letters of the alphabet	○	○	○	○
b) Read some words	○	○	○	○
c) Read sentences	○	○	○	○
d) Write letters of the alphabet	○	○	○	○
e) Write some words	○	○	○	○
f) Count up to 100 or higher	○	○	○	○
g) Recognize written numbers from 1-10	○	○	○	○
h) Recognize written numbers higher than 10	○	○	○	○
i) Write numbers from 1-10	○	○	○	○
j) Do simple addition	○	○	○	○
k) Do simple subtraction	○	○	○	○

Principal Experience and Education

19

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.*

20

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.*

21

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

*Check **one** circle only.*

- Did not complete <Bachelor's or equivalent level—ISCED Level 6> ○
- <Bachelor's or equivalent level—ISCED Level 6> ○
- <Master's or equivalent level—ISCED Level 7> ○
- <Doctor or equivalent level—ISCED Level 8> ○

22

Do you hold the following degrees in educational leadership?

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

	Yes	No
a) <Master's or equivalent level—ISCED Level 7>	○	○
b) <Doctor or equivalent level—ISCED Level 8>	○	○

Thank You

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

TIMSS 2015

BOSTON COLLEGE

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