



IEA

TIMSS

2023

Identification Label

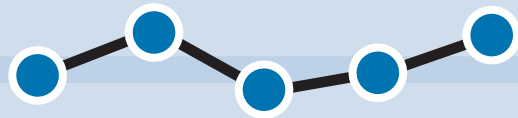
TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

School Questionnaire

<Grade 4>

<TIMSS National Research Center Name>

<Address>



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

School Questionnaire

Your school has agreed to participate in TIMSS 2023 (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 more than 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 2023

School Enrollment and Characteristics

1

ACBG01

What is the total enrollment of students in your school as of <first day of month TIMSS testing begins, 2023>?

_____ students
Write in the number.

2

ACBG02

What is the total enrollment of <fourth grade> students in your school as of <first day of month TIMSS testing begins, 2023>?

_____ 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%
ACBG03A a) Come from economically disadvantaged homes -----	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ACBG03B

b) Come from economically affluent homes ----- ☐ ☐ ☐ ☐

4

ACBG04

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?

ACBG05A

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?

ACBG05B

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 --- ☐

Instructional Time

6

ACBG06A

For the <fourth grade> students in your school:

A. How many days per year is your school open for instruction?

_____ days
Write in the number.

ACBG06B

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 calendar week, how many days is the school open for instruction?

ACBG06C

Check **one** circle only.

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

Resources and Technology

7

ACBG07

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

_____ computers
Write in the number.

8

ACBG08

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

Check **one** circle only.

Yes --- ☐

No --- ☐

9

ACBG09

Does your school use an online learning management system to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?

Check **one** circle only.

Yes --- ☐

No --- ☐

10

Do students in your school have access to these resources?

Check **one** circle for each line.

ACBG10A

a) A library or media center ----- ☐ Yes ☐ No

ACBG10B

b) High speed internet ----- ☐ Yes ☐ No

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

- ACBG11AA a) Instructional materials (e.g., textbooks) ----- ☐ — ☐ — ☐ — ☐ ACBG11BA
- ACBG11AB b) Supplies (e.g., papers, pencils, materials) ----- ☐ — ☐ — ☐ — ☐ ACBG11BB
- ACBG11AC c) School buildings and grounds ----- ☐ — ☐ — ☐ — ☐ ACBG11BC
- ACBG11AD d) Heating/cooling and lighting systems ----- ☐ — ☐ — ☐ — ☐ ACBG11BD
- ACBG11AE e) Instructional space (e.g., classrooms) ----- ☐ — ☐ — ☐ — ☐ ACBG11BE
- ACBG11AF f) Technologically competent staff ----- ☐ — ☐ — ☐ — ☐
- ACBG11AG g) Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors) ----- ☐ — ☐ — ☐ — ☐ ACBG11CA
- ACBG11AH h) Digital devices for student use ----- ☐ — ☐ — ☐ — ☐ ACBG11CB
- ACBG11AI i) Resources for students with disabilities ----- ☐ — ☐ — ☐ — ☐ ACBG11CC
- ACBG11CD

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 ----- ☐ — ☐ — ☐ — ☐

12

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

Check **one** circle for each line.

Very high
High
Medium
Low
Very low

- ACBG12A a) Teachers' understanding of the school's curricular goals -----○-----○-----○-----○-----○
- ACBG12B b) Teachers' degree of success in implementing the school's curriculum -----○-----○-----○-----○-----○
- ACBG12C c) Teachers' expectations for student achievement -----○-----○-----○-----○-----○
- ACBG12D d) Teachers' ability to inspire students -----○-----○-----○-----○-----○
- ACBG12E e) Parental involvement in school activities -----○-----○-----○-----○-----○
- ACBG12F f) Parental commitment to ensure that students are ready to learn -----○-----○-----○-----○-----○
- ACBG12G g) Parental expectations for student achievement -----○-----○-----○-----○-----○
- ACBG12H h) Parental support for student achievement -----○-----○-----○-----○-----○
- ACBG12I i) Students' desire to do well in school -----○-----○-----○-----○-----○
- ACBG12J j) Students' ability to reach school's academic goals -----○-----○-----○-----○-----○
- ACBG12K k) Students' respect for classmates who excel academically -----○-----○-----○-----○-----○

13

How much do you agree with these statements?

Check **one** circle for each line.

Agree a lot
Agree a little
Disagree a little
Disagree a lot

- ACBG13A a) This school has a shared vision about its role in supporting environmental sustainability -----○-----○-----○-----○
- ACBG13B b) This school regularly reviews its practices to make them more environmentally sustainable -----○-----○-----○-----○
- ACBG13C c) There is a schoolwide approach to teaching environmental sustainability to students -----○-----○-----○-----○
- ACBG13D d) This school teaches students to appreciate the natural environment -----○-----○-----○-----○
- ACBG13E e) This school teaches students how to take action to protect the natural environment -----○-----○-----○-----○
- ACBG13F f) This school encourages teachers to learn about teaching environmental sustainability -----○-----○-----○-----○
- ACBG13G g) This school promotes environmental sustainability within the community -----○-----○-----○-----○
- ACBG13H h) This school promotes participation in networks or projects related to environmental sustainability -----○-----○-----○-----○

14

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

- ACBG14A a) Arriving late at school ----- ○ — ○ — ○ — ○
- ACBG14B b) Absenteeism (i.e., unjustified absences) ----- ○ — ○ — ○ — ○
- ACBG14C c) Classroom disturbance ----- ○ — ○ — ○ — ○
- ACBG14D d) Cheating ----- ○ — ○ — ○ — ○
- ACBG14E e) Profanity ----- ○ — ○ — ○ — ○
- ACBG14F f) Vandalism ----- ○ — ○ — ○ — ○
- ACBG14G g) Theft ----- ○ — ○ — ○ — ○
- ACBG14H h) Intimidation or verbal abuse among students (including texting, emailing, etc.) ----- ○ — ○ — ○ — ○
- ACBG14I i) Physical fights among students ----- ○ — ○ — ○ — ○
- ACBG14J j) Intimidation or verbal abuse of teachers or staff (including texting, emailing, etc.) ----- ○ — ○ — ○ — ○

15

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

- ACBG15A a) Arriving late or leaving early -- ○ — ○ — ○ — ○
- ACBG15B b) Absenteeism ----- ○ — ○ — ○ — ○

16

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%

- ACBG16A a) Recognize most of the letters of the alphabet ----- ○ — ○ — ○ — ○
- ACBG16B b) Read some words ----- ○ — ○ — ○ — ○
- ACBG16C c) Read sentences ----- ○ — ○ — ○ — ○
- ACBG16D d) Write letters of the alphabet -- ○ — ○ — ○ — ○
- ACBG16E e) Write their names ----- ○ — ○ — ○ — ○
- ACBG16F f) Write words other than their names ----- ○ — ○ — ○ — ○
- ACBG16G g) Count up to 100 or higher ----- ○ — ○ — ○ — ○
- ACBG16H h) Recognize written numbers from 1-10 ----- ○ — ○ — ○ — ○
- ACBG16I i) Recognize written numbers higher than 10 ----- ○ — ○ — ○ — ○
- ACBG16J j) Write numbers from 1-10 ----- ○ — ○ — ○ — ○
- ACBG16K k) Do simple addition ----- ○ — ○ — ○ — ○
- ACBG16L l) Do simple subtraction ----- ○ — ○ — ○ — ○

17

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

ACBG17

_____ years
Please **round** to the nearest whole number.

18

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

ACBG18

_____ years
Please **round** to the nearest whole number.

19

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

ACBG19

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> --- ☐

20

Do you hold the following qualifications or credentials in educational leadership?

Check **one** circle for each line.

- | | Yes | No |
|-------------------------------------------------------|-----------------------|-----------------------|
| a) <Certificate or license> ----- | <input type="radio"/> | <input type="radio"/> |
| b) <Master's or equivalent level—ISCED Level 7> ----- | <input type="radio"/> | <input type="radio"/> |
| c) <Doctor or equivalent level—ISCED Level 8> ----- | <input type="radio"/> | <input type="radio"/> |

21

For how long was your school fully closed for in-person instruction because of the COVID-19 pandemic?

Check **one** circle for each line.

The school did not fully close

Less than 1 month

1 to 3 months

4 to 6 months

More than 6 months

- ACBG21A a) <2019 – 2020> school year ----- ☐ ☐ ☐ ☐ ☐
- ACBG21B b) <2020 – 2021> school year ----- ☐ ☐ ☐ ☐ ☐
- ACBG21C c) <2021 – 2022> school year ----- ☐ ☐ ☐ ☐ ☐
- ACBG21D d) <2022 – 2023> school year ----- ☐ ☐ ☐ ☐ ☐

ACBG20A

ACBG20B

ACBG20C

Thank You

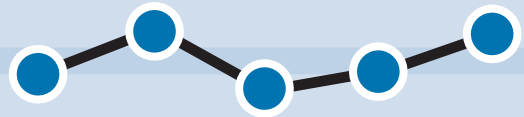
Thank you for the thought, time, and effort you have put into completing this questionnaire.



BOSTON
COLLEGE

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<Grade 4>



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