

Identification Label

TIMSS 2011

<Grade 8>

<TIMSS National Research Center Name>

<Address>



TIMSS & PI | |
enter
yinchǔ _____ uc _____

Questionnaire

Your school has agreed to participate in TIMSS 2011 (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 teachers of <eighth-grade> students, and seeks information about teachers' academic and professional backgrounds, classroom resources, instructional practices, and attitudes toward teaching. Since your class has been selected as part of a nationwide sample, your responses are very important in helping to describe secondary education in <country>.

Some of the questions in the questionnaire refer to the _____ or _____. This is the class that is identified on the front of this booklet, and which will be tested as part of TIMSS in your school. If you teach some but not all of the students in the TIMSS class, please think only of the students that you teach when answering these class-specific questions. It is important that you answer each question carefully so that the information that you provide reflects your situation as accurately as possible.

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 studies.

It is estimated that you will need approximately 45 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 2011

1 _____

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

2 _____

Check **one** circle only.

Female---

Male---

3 _____

Check **one** circle only.

Under 25---

25–29---

30–39---

40–49---

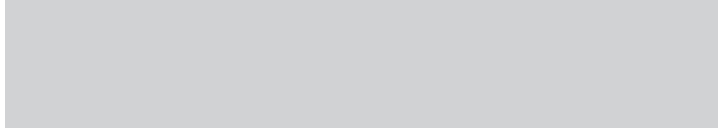
50–59---

60 or more---

4 _____

Check **one** circle only.

Did not complete



Check **one** circle for each line.

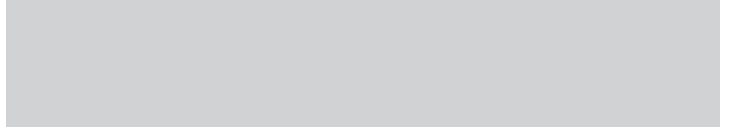
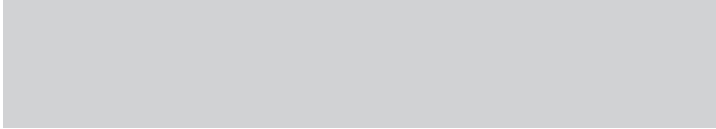
- Yes No
- a) For preparation ----- A - A
- b) For administration ----- A - A
- c) In your classroom instruction ----- A - A

Check **one** circle for each line.

- Never or almost never 2 or 3 times per month
1-3 times per week
Daily or almost daily
- a) Discuss how to teach a particular topic ----- A - A - A - A
- b) Collaborate in planning and preparing instructional materials ----- A - A - A - A
- c) Share what I have learned about my teaching experiences ----- A - A - A - A
- d) Visit another classroom to learn more about teaching ----- A - A - A - A
- e) Work together to try out new ideas ----- A - A - A - A

Check **one** circle for each line.

- Agree a lot Agree a little
Disagree a little
Disagree a lot
- a) I feel comfortable using computers in my teaching ----- A - A - A - A
- b) When I have technical problems, I have ready access to computer support staff in my school ----- A - A - A - A
- c) I receive adequate support for integrating computers in my teaching activities ----- A - A - A - A



17

_____ hours and _____ minutes per week
Write in the hours and minutes.

1

Check

21

Check **one** circle only.

Yes---

No--- _____

(If No, go to #22)

Check **one** circle only.

Yes---

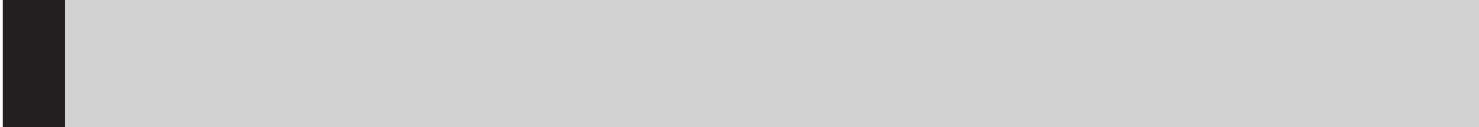
No---

Check **one** circle for each line.

Every or almost every day

Once or twice a week

Once or twice a



Check **one** circle for each line.

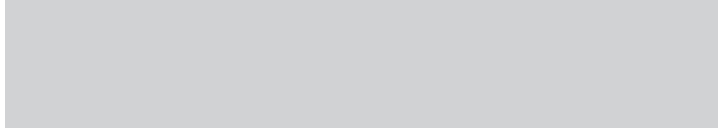
Mostly taught before this year

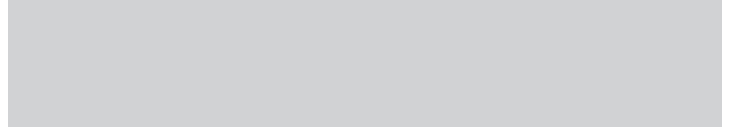
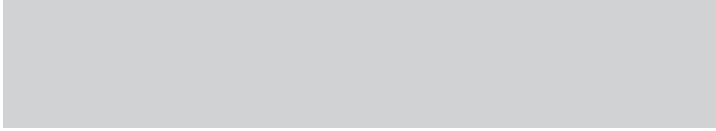
Mostly taught this year

Not yet taught or
just introduced

- a) Physical states and changes in matter (explanations of properties in terms of movement and distance between particles; phase change, thermal expansion, and changes in volume and/or pressure) ----- A – A – A
- b) Energy forms, transformations, heat, and temperature ----- A – A – A
- c) Basic properties/behaviors of light (reflection, refraction, light and color, simple ray diagrams) and sound (transmission through media, loudness, pitch, amplitude, frequency, relative speed of light and sound) ----- A – A – A
- d) Electric circuits (flow of current; types of circuits - parallel/series; current/voltage relationship) and properties and uses of permanent magnets and electromagnets ----- A – A – A
- e) Forces and motion (types of forces, basic description of motion, effects of density and pressure) ----- A – A – A

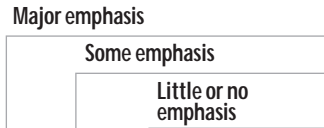
- a) Earth's structure and physical features (Earth's crust, mantle and core; composition and relative distribution of





25

Check **one** circle for each line.



- a) Evaluation of students' ongoing work ----- A - A - A
- b) Classroom tests (for example, teacher-made or textbook tests) ----- A - A - A
- c) National or regional achievement tests ----- A - A - A

26

Check **one** circle only.

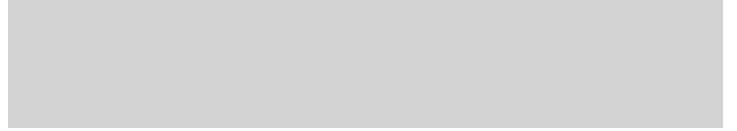
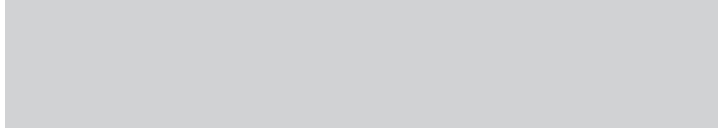
- About once a week --- A
- About every two weeks --- A
- About once a month --- A
- A few times a year --- A
- Never --- A

27

Check **one** circle for each line.



- a) Questions based on knowing facts and concepts --- A - A - A
- b) Questions based on the application of knowledge and understanding ----- A - A - A
- c) Questions involving developing hypotheses and designing scientific investigations ----- A - A - A
- d) Questions requiring explanations or justifications ----- A - A - A



2

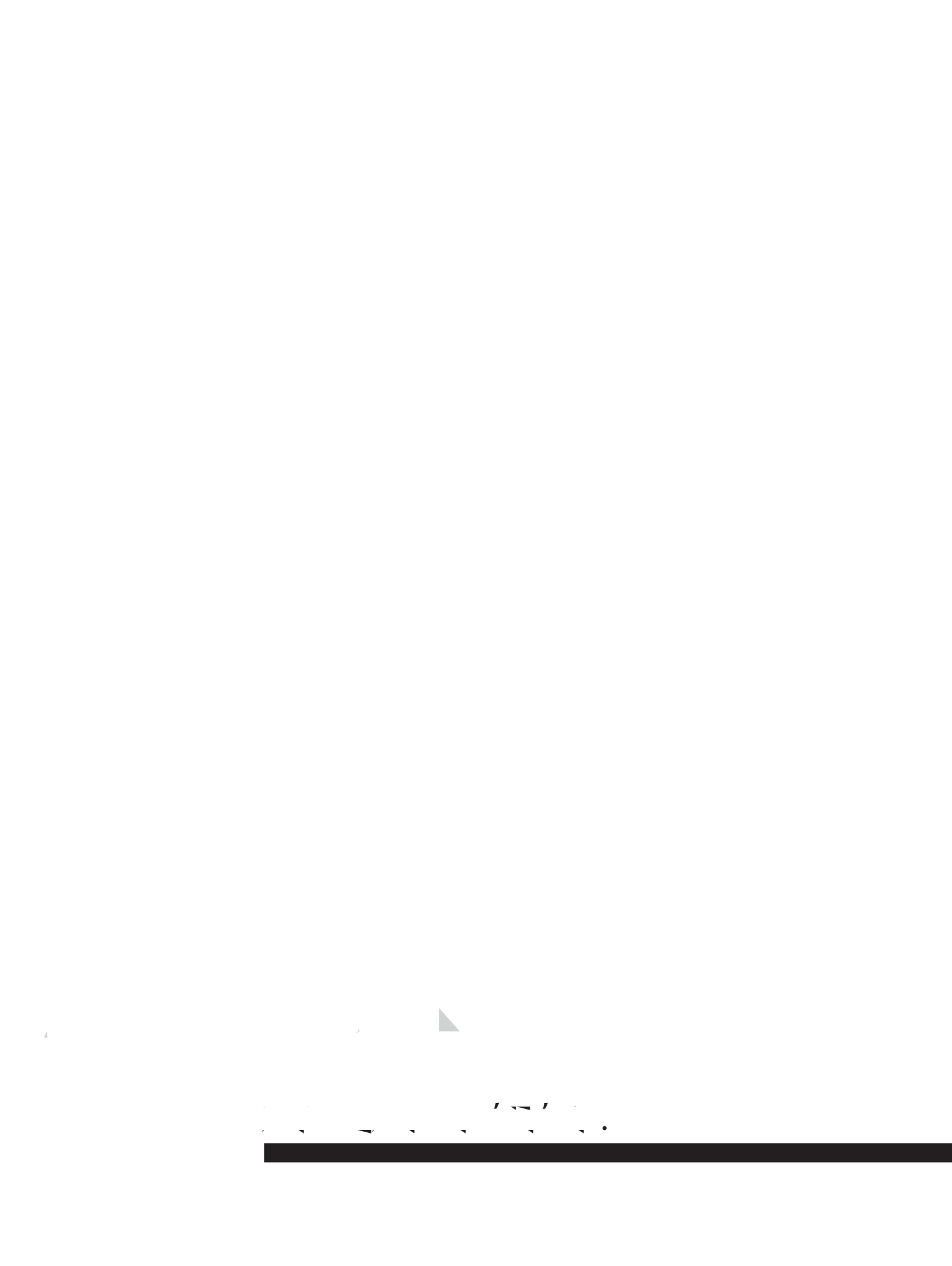
Check **one** circle for each line.

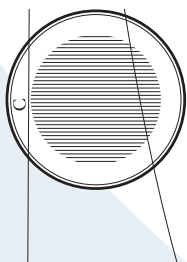
Not applicable

Very well prepared

Somewhat prepared

Not well prepared





TIMSS 2011

Science 

<Grade 8>

