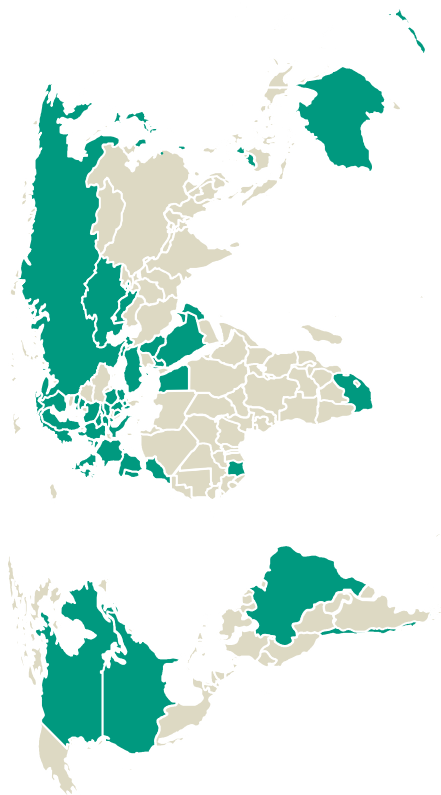


## Countries participating in TIMSS 2023



Albania, Armenia, Australia, Austria, Azerbaijan, Bahrain, Belgium (French and Flemish communities), Bosnia and Herzegovina, Brazil, Bulgaria, Canada, Chile, Côte d'Ivoire, Cyprus, Czech Republic, Denmark, Egypt, England, Finland, France, Georgia, Germany, Hong Kong, Hungary, Iraq, Ireland, Israel, Italy, Japan, Jordan, Kazakhstan, Kosovo, Kuwait, Latvia, Lithuania, Macau, Malaysia, Malta, Montenegro, Morocco, Netherlands, New Zealand, North Macedonia, Northern Ireland, Norway, Oman, Palestinian Territories, Poland, Portugal, Qatar, Republic of Korea, Romania, Russian Federation, Saudi Arabia, Serbia, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Taiwan, Turkey, United States, United Arab Emirates, Uzbekistan

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The results of the TIMSS 2023 study will be available on this website from late 2024.

[www.timss2023.uni-hamburg.de](http://www.timss2023.uni-hamburg.de)

**The results of previous TIMSS studies are available here:**

TIMSS 2019: [www.waxmann.com/buch4319](http://www.waxmann.com/buch4319)

TIMSS 2015: [www.waxmann.com/buch3566](http://www.waxmann.com/buch3566)

TIMSS 2011: [www.waxmann.com/buch2814](http://www.waxmann.com/buch2814)

TIMSS 2007: [www.waxmann.com/buch2090](http://www.waxmann.com/buch2090)



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FAKULTÄT

FÜR ERZIEHUNGSWISSENSCHAFT

# TIMSS 2023



**Trends in International  
Mathematics and Science Study  
– TIMSS –  
2022 Preliminary Study**



English



Bundesministerium  
für Bildung  
und Forschung

## TIMSS

Dear Parent or Guardian,

This year, your child's class has been selected to take part in the preliminary study for the next round of TIMSS. In this flyer, you'll find information about what TIMSS is and how it will be carried out in schools.

Since 2007, Germany has been participating in the four-yearly Trends in International Mathematics and Science Study (TIMSS), which is overseen by the International Association for the Evaluation of Educational Achievement (IEA). The aim of the study is to assess children's abilities in mathematics and science. In addition, information on their learning environment at school and home is gathered via written questionnaires for school principals, teachers, students and parents or guardians.

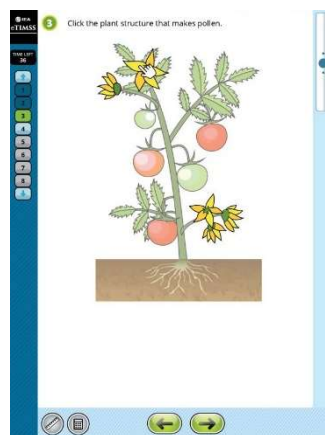
The TIMSS results allow us to gauge the standard of teaching in Germany over an extended period and to compare it with other countries. In addition, the study's findings enable suggestions to be made as to how schools might improve standards in maths and science teaching.



## TIMSS 2023

In both the main TIMSS 2023 study and the 2022 preliminary study, children will complete tasks on a desktop or laptop computer. This follows the successful switch from paper-based to digital assessment which was implemented in the previous round of testing (TIMSS 2019). Our reliable digital platform will allow TIMSS 2023 to feature innovative and complex tasks incorporating multimedia components (such as animations or experiments). These tasks will promote independent problem-solving and be even better tailored to the way children live and experience the world today.

The eTIMSS player interface



In addition, computer-based testing enables TIMSS to respond to rapid technological change and reflect the growing role of digital media in schools. To gain a fuller picture of the digital resource situation in primary schools, TIMSS 2023 will also contain specific questions on the subject of digital resources.

## Implementation

In Germany, around 4,700 year-four students will participate in the main TIMSS study in 2023, with 230 primary schools involved across the 16 federal states.

The study is split into various parts, with each child completing two parts in two 36-minute sessions. Each part consists of two sets of mathematics tasks and two sets of science tasks. Additionally, there is a background questionnaire in which children are asked about their learning environment and their learning process to date.



## Data protection

TIMSS complies with all statutory data protection regulations. We would particularly like to assure you that no unauthorized persons (such as teaching staff) will be able to view your details or those of your child at any point. No names or addresses are captured in the questionnaires, which are identified only via an ID number that allows us to collate all the information relating to each child. The data captured is used exclusively for the purposes of this study.

**Your help with this study is greatly appreciated.**