

# 14th International Congress on Mathematical Education

## MATH.EN.JEANS

*How students in secondary schools learn mathematical theories through a new approach of mathematics. How they become researchers in mathematics during a school year with the help of professional mathematicians who come from the mathematics laboratories in Universities. And through this experiment how they learn collaborative work .in workshops. They enjoy the happiness when solving mathematical problems. They discover that mathematics is a living science.*

### How a workshop is organized?

During a whole school year, the students of two secondary schools, which are twined, work in parallel on one mathematic subject proposed by a researcher in mathematics. Several times during the year, they meet in the presence of “their” researcher in seminars to discuss and share their methods and results on the subject.



### Congress



The young mathematicians present their work and results during a 3 days congress in the form of posters and talks in front of hundreds of other young participants and researchers in mathematics.

### Production

After the congress they present through an article, or a video, or through any other media their work and results. These productions are published on the web site <http://www.mathenjeans.fr/>

In 2019, for the 30<sup>th</sup> anniversary of MATH.en.JEANS a special book with some articles written by students and which represent MATH.en.JEANS was published.



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## **A successful method**

MATh.en.JEANS, founded in 1989, beginning with one teacher, one researcher and 25 students: in 2019/2020, it concerns more than 300 workshops in France and outside France; more than 4300 students, 580 teachers and 180 researchers.