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Teaching mAthS through innovative LEarning approach and conTEnts



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TALETE Training Path

TALETE Training Path, addressed to the teachers and their students, aims to test an innovative pedagogical tool making the study of Mathematics more interesting and creative, transforming a possibly difficult situation into a simpler, more dynamic, flexible, surprising, engaging, intriguing one to foster the student's curiosity.

Through the TALETE Training Path the 14-15 years-old students will improve their deep mathematical understanding with a focus on the geometry, especially their performances on the base of OECD PISA, IEA TIMSS and national evaluation schedules.

- ▶ based on the selected assessment schedules re-produced into 3D scenarios. Students coming from different countries will be able to share knowledge and experiences. They will have experience in ability to work and analyze with virtual objects supporting the understanding of practical uses of math concepts in the real world.

Educational Pills

The educational pills, addressed to the teachers, will cover the following main topics:

- ◆ the results of last international surveys (PISA, TIMSS)

Delivery Method

Delivered through an E-learning platform addressed only to the teachers and a 3D virtual environment addressed to teachers and students.

The TALETE Training Path includes no. 23 hours of theoretical knowledge, web seminars and testing of the TALETE pedagogical tools and no. 15 hours of experimentation with the students involved.

Course Outline

The TALETE Training Path is constituted of two main parts as follows:

- ◆ first part: it will start up from the training of the teachers involved in the experimentation phase. It will be structured in educational pills delivered through the e-learning platform where they will know the contents and be able to get more familiar also with the 3D Virtual Environment to be used with their students during the next step.
 - ◆ second part: the teachers involved will test the engaging and innovative pedagogical tools with their students in 3D virtual world. Trained teachers will teach their students how to use project virtual environment. They will monitor, support, and manage the virtual training of their students ▶
- ◆ the international and national selected schedules to be used in 3D virtual world
 - ◆ the concept of "mathematisation"
 - ◆ the contents and methodologies focusing on the potential use of new technologies
 - ◆ the role of the teachers involved as trainers of the students during the second phase of the experimentation.

Course Prerequisites

- ◆ Maths, Science, English and ICT teachers working in the lower upper and secondary schools
- ◆ ICT skills

For enrolment, please, compile the Registration Form in the project website and for further information, please contact us through the site.