



Learning Mathematics through new Communication Factors

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Le-MATH

Learning mathematics through new communication factors

**A European Commission funded project
(under Comenius MP)
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be held responsible for any use which may be made of the information contained therein.

Rational...what is the problem?

Many pupils and parents consider mathematics

- As difficult and boring subject
- Abstract and non-approachable
- Many pupils instead of studying mathematics prefer to spend most of their time watching TV programmes or playing electronic games or exchanging messages with their mobile phone, exchanging pictures, exchanging videos, competing etc.

How can we bring pupils back to the “playing field” of education?

- One way to achieve this is to use similar tools (“weapons”) like the “opponents”.
 - In simple words, to communicate the learning of mathematics in a non-traditional way, like a game through theatre or competitions similar to the well-known X-Factor and other.

- This project introduces completely different and new approaches
 - Invites teachers and pupils to apply new communication methods in learning mathematics, which could be fun and enjoyable at the same time.
 - Brings new ideas under “play and learn”.

- Le-MATH intends to:
 - Develop new methodologies in learning and teaching mathematics to pupils of age 9-18, which can be used in any school environment
 - Make learning more attractive and enjoyable for all pupils
 - Enhance students' skills for creative thinking.
- The methods could be used for other subjects of the education curricula and for other ages.

- The aim is to develop a methodology in teaching and learning mathematics with the creation of two main tools that can be used by teachers.
- The methods will be created in such a way so that they can be used in an in-service training course for teachers who teach mathematics to pupils of age 9-18. The two methods are:
 - A. MATHeatre: Teaching and learning mathematics through math theatre activities
 - B. MATH-Factor: Teaching and learning mathematics through mathematics communication activities

- The new methods are expected to:
 - Make mathematics more attractive to young people, teachers and parents
 - Compete with current trends of interest activities for young people of age 9-18.

- The project activities contribute to:
 - The Education and Training 2020 as it is enhancing creativity and innovation among youth.
 - The benchmark for decreasing low-achievers in basic skills (mathematics and science) to 15%.
- It promotes the European Cooperation on schools in the area of competences by supporting the key competence for mathematics.

Project partners:

1. Cyprus Mathematical Society, CY (Coordinator)
2. Thales Foundation, CY
3. Charles University in Prague, Faculty of Education, CZ
4. Loidl-Art, AT
5. VUZF University, BG
6. Calistrat Hogas National College Piatra-Neamt, RO
7. LyckeSkolan, SE
8. Leo Lab, ES
9. Junior Mathematical Society Miskolc, HU
10. European Office of Cyprus, CY-BE
11. College Saint Charles, FR
12. Institute of Communication and Computer Systems (ICCS-NTUA), GR
13. Com2go, CY

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