# MATHDebate
# -The Voice of Students –
# Searching Excellence in Math Education trough Increasing the Motivation for Learning

## QUALITY ASSURANCE STATEMENT

## AIMS AND OBJECTIVES OF THIS PROJECT

The **aim** of the MATHDebate project is searching excellence in math education trough increasing the motivation of learning which will be based on listening the voice of students.

The **main objectives** of the MATHDebate project are:

- **Developing new teaching methodology.** This new teaching methodology, putting students in the centre of the attention, should contribute in improving students' motivation to learn mathematics. It should make students aged 11-15 years to like mathematics more, to make positive attitude towards mathematics and to make mathematics to be among their famous subjects. One of the main objective of the project is motivating students to realize the need for learning mathematics and the role of mathematics in their future carrier. All this should be done via debates with students and listening their voice.
- **Developing an e-platform about using MathDebate methodology.** An e-platform for using new approach and methodology will be created and there will be no restriction in the access of it. After finishing the project, not only institutions participating in the project, but students and teachers from other Europe schools can also use it. Students will have opportunity to suggest new teaching methodology, based on their experience. This will be a chance for them to be a part of the process of learning maths as a teacher.
- **Designing Guidelines and Guidebook about using MatheDebate method and their e-publication.** They will be intended primary for teachers who will use this innovative method of teaching in their classroom and will help them for better and successful implementation of the method in the teaching process. The guidelines and guidebook will include ideas for new teaching methodologies proposed by students. The guidelines and guidebook will be presented in a multiplier event.
- **Training course for teachers for using the MathDebate method** as a new method for increasing the motivation for learning Mathematics. Teachers have to adopt their teaching to the new demands of everyday life, and to the demands of the students. Their main role is to help students to increase the level of knowledge in an interesting way. To achieve this goal they should collaborate with the students on every possible level. Mathematics should be presented in modern way, with a connection to the real life problems.

## This approach is expected to contribute in:

The approach will contribute to the process of teaching maths by giving new method for the teachers to make their lessons and activities more interesting. It will also contribute in the process of motivating the students who will be directly involved in the process of learning and increasing their self-satisfaction after completing their tasks.

## More specifically the partners of the project aim at:

Deliver all the workpackages as described in the proposal and agreed during the first transnational meeting as they follow:

- **Project management and implementation**: Organizing transnational meetings, preparing quarter reports and contribute to the completing of the final report
- **IO1**: Collecting related good practices and good math teaching methods inside and outside Europe. Preparing Analysis and e-publication.
- **IO2**: Development of the MATHDebate method and an interactive e-platform
- **IO3**: Development of Design of Guidelines and Guidebook of MATHDebate method and their e-publication
- **IO5**: Development of training course for teachers for using the MATHDebate method
- **IO4** : Evaluation and reports for MATHDebate method (Quality Assurance and Control Quality Management)
- Dissemination, monitoring and promotion of project activities (Creating Project website and social network platform, making online support system and project promotional material)
- Exploitation plan

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## THE MAIN TARGET GROUPS OF THIS PROJECT

- Pupils aged between 11-15,
- Teachers teaching pupils of this age,
- Students studying math (as future teachers)
- Education policy makers and curricula experts,
- Teacher trainers

## BASIC INDICATORS OF SUCCESS:

**At Project Management Level:**

- Schedule performance index (budgeted cost of work performed/budgeted cost of work scheduled)
- Cost performance index (budgeted cost of work performed/actual cost of work performed)
- Number of meetings carried out (target 4 transnational meetings)
- Number of deliverables submitted on time (target 100%)
- Number of budget revisions (target 0)
- Number of reallocation of responsibilities (target <10%)

**At Project Quality and Impact Level:**

- Number of events organized (target 3 multiplier events)
- Number of visits of the project website (target >50/month)
- Number of students trained (target >300)
- Number of teachers involved in dissemination activities (> 30)

**At Monitor and Evaluate performance Level:**

- Number of students using and accessing the platform (target >500);
- Number of teachers using and accessing the platform (target >50);
- Number of institutions promoting the new method (target >20);
- Number of people that attended each multiplier event (target > 100);
- Number of risks with high, medium and low impact which the partners addressed (target <1-2);
- Number of risks the partners avoided through the implementation of preventive actions (target =100%);

## OUT OF THIS PROJECT WE EXPECT THE FOLLOWING IMPACT / EUROPEAN ADDED VALUE ELEMENTS

**Impact on students**

- increased motivation for learning mathematics;
- increased knowledge of mathematics with teaching and learning through the innovative approach;
- opportunity the student to learn math in an interactive manner with effective methods and techniques of work;
- increased access to the online platform with mathematical tasks and methods that will facilitate the learning process;
- increased possibilities to communicate with other students from different countries through the online platform in order to get additional information and/or custom programs, tools etc.
- more positive attitude towards mathematics and realizing the need for learning mathematics;
- more positive attitude regarding school education and the role of education in the future career, especially the role of mathematics.

**Impact on the participants**

- improved competences in using innovative method for teaching math;
- improved competences of addressing low achievement in basic skills through more effective teaching methods;
- increased level of integrated the teaching of basic skills in math, promoting method based on debate with pupils;
- providing more attractive math education.

## THE FOLLOWING ACTIONS/ ELEMENTS OF THE DELIVERABLES ARE EXPECTED TO PROVIDE THE BASIS FOR SUSTAINABILITY, DISSEMINATION, EXPLOITATION

- Web Pages of the project and the partners
- E-Publications in various periodicals etc
- Seminars and other similar activities
- Training courses for the teachers for using the new methodology

## QUALITY STATEMENT

We all undertake to cooperate with all the partners, abide by the rules and regulations specified or to be agreed in the meetings or set by the funding authorities. Furthermore we undertake to work promptly in order to produce outcomes of high quality and standards.

**We undertake to promote the above Statement.**

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|---|---|---|---|
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| P2 | Union of Researchers SIM, Skopje | Former Yugoslav Republic of Macedonia | Biljana Jolevska-Tuneska |
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| P7 | CyMS, Nikozia | Cyprus | Gregoris Makrides |

All local project coordinators accept the quality assurance statement and signed.
Stip, 25.01.2017