

Co-funded by the Erasmus+ Programme of the European Union





Innovation and educational interventions in school

KA101 – School education staff mobility

2019-1-EL01-KA101-061844

2019-2020







Basic needs of School Unit

The basic needs of our school unit resulting after research and analysis are identified in 4 key areas.

1. Effective operation of the unit and encouragement of participation and cooperation of teachers and students.

2. Prevention and management of crises and conflicts inside school.

3. Integration of foreign students into the school community and the avoidance of student leakage

4. Adoption of innovative STEM teaching methods.

#ERASMUSDAYS





Key Action 1. School Leadership and Educational Innovation



#ERASMUSDAYS

The effective functioning of school unit is based on strategic planning and effective management of human resources. It is therefore necessary the Head of the School Unit to participate in a course

aimed at inspirational leadership

planning and implementation programs and actions that strengthen teacher-student relationships

and enhance participation, collaboration and exchange of experiences and ideas between European schools.



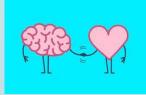




Key Action 2. Conflict Management, Emotional Intelligence and Bullying Prevention

Crisis prevention and management is a fairly common phenomenon in modern schools. In particular, our school has previously been called suppon to deal with incidents of conflict, harassment and bullying, without teachers being able to recognize or deal with such incidents.

Recognizing, differentiating and responding to the ever-present crises and to aggressive behaviors among students and teachers, can often used as a tool and an incentive to build a resilient school community. So, it was considered necessary for a teacher to be involved in a course aimed at dealing with problematic situations and aggressive behaviors that create an unfavorable classroom environment and inhibit the learning process.



#ERASMUSDAYS





Key Action 3. CLIL in Practice

In Greece nowadays there are many students who do not have Greek as their mother language and the leakage of these students is quite intense.

Learning Greek language on issues of students' interest, enhances their normal integration into the school community and develops communication skills and cooperation. In addition, all students broaden their knowledge of languages and cultures in a natural, exploratory and discoverable way.

So, it was considered necessary for a teacher to participate in a course about languages such as CLIL.



#ERASMUSDAYS





Key Action 4. STEM Education: Concepts, Methodologies, Tools and Applications

S 🔊 🖏 📓

Science

#ERASMUSDAYS

O Technology

Bengineering Mathematics One of the basic needs of the school unit is the adoption of innovative methods of teaching that incorporate scientific concepts into the educational process in such ways that motivate students' interest.

So, it was considered necessary for one of our teachers to attend a course that focus on

- integrating and utilizing educational applications in educational practice
- enhancing teaching and learning with additional supporting material.

Through this course our teacher will enhance the confidence to integrate to his/her lesson plans new objects and upgrade its quality educational project.

In addition, STEM technology will provide additional incentives for students and will enhance exploratory and discovery learning.



Mobilities - Results

- Title : "Innovation and Educational Interventions in School"
- Duration : 18 months (Sep 2019 Dec 2020)
- We had to cancel two (2) mobilities due to COVID-19 pandemic
- 3 teachers participate in the following training programs:
 - Digital classroom: Use of new technologies in education, Inverted Class Model & STEM method (Science, Technology, Engineering and Maths)
 - School leadership and educational innovation

Second Lyceum of Kalamaria

#ERASMUSDAYS

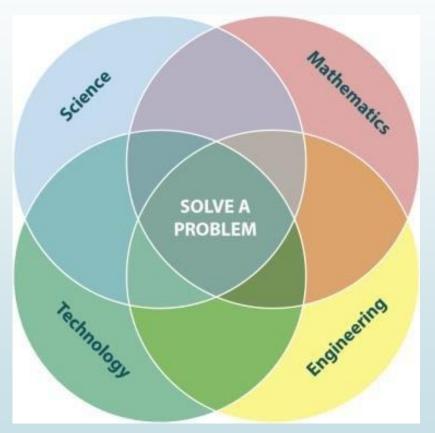
8

#ERASMUSDAYS

KA101 - STEM method (Science, Technology, Engineerin

S.T.E.M. (Science, Technology, Engineering and Mathematics) is a methodological approach in Education that attempts to transform traditional teaching to a new way of teaching where problem solving and inquiry-based learning will play a dominant role in the curriculum, while learners develop creativity and team learning to discover solutions in a problem.

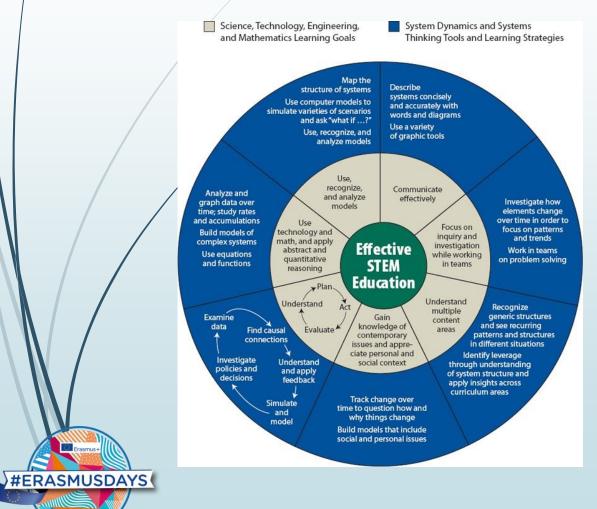
Students are creatively and collaboratively involved in groups in order to provide solutions to real-world problems. A prerequisite for applying STEM methodology is the use of problem-solving method

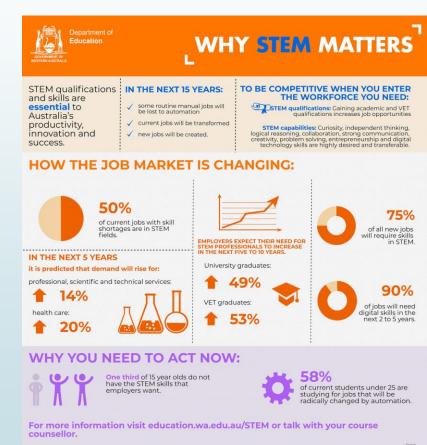


2ο Γενικό Λύκειο Καλαμαριάς



KA101 - STEM method (Science, Technology, Engineering, Math





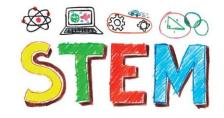
ανό θαν δωχαριατικά ματο του διατό το δια πορογοριατικό το δια πολλογο το διατοργοριατικό της του διατοργοριατική της του διατοργοριατικής του διατοργο Οι διατοργοριατικής του διατοργοριατικής του διατοργοριατικής του διατοργοριατικής του διατοργοριατικής του διατοργογιατικής του διατοργογιατικής του διατοργογιατικής του διατοργογιατικής του διατοργογιατικής τις διατοργογιας του διατ

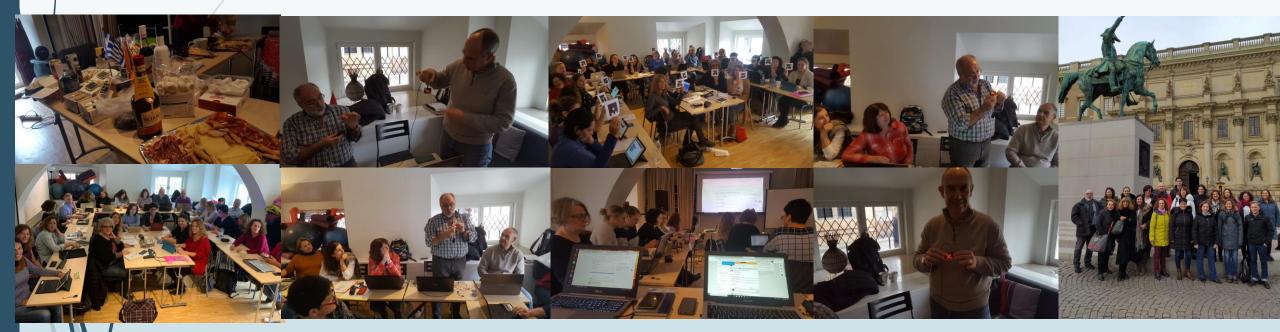


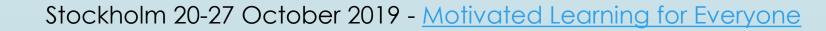
KA101 - STEM Education: Concept Methodologies, Tools and Applications

10

#ERASMUSDAYS









2ο Γενικό Λύκειο Καλαμαριάς

KA101 - School leadership and educational 11 innovation Create Create Επικοινωνία During / after class Μαθαίνω Evaluate Evaluate After να class μαθαίνω Analyse Analyse During 8 key class Πρωτοβουλία Apply Apply Γλώσσα comptences και Επιχειρηματι-Understand Understand κότητα Δεξιότητες During Before Ψηφιακές στα class class Remember Δεξιότητες Remember Μαθηματικά καιτην Φυσική Traditional approach Flipped approach teachthought Digital content E WAYS TO SUPPORT STUDENTS WITHOUT INTERNET ACCESS AT HOME creation h Safety Communication and collaboration Get Them Involved **Encourage Parents To** Start A Tech Study Hall At School Take Advantage Of **During Or After School Community Resources** Ø Problem 10 Information and #ERASMUSDAYS solving 2ο Γενικό Λύκειο Ι 'Spin' Intermittent **Have Students** Incorporate It Into Project-Based **Identify Resources** Access As A Learning Within Their Family Normal Thing 0000 20 ΓΕΝΙΚΟ ΔΥΚΕΙΟ ΚΑΔΑΜΑΡΙΑΣ

KA101 - School leadership and educational innovation













Madrid 25-29 November 2019



#ERASMUSDAYS



Questions ?

#ERASMUSDAYS



Co-funded by the Erasmus+ Programme of the European Union



"The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein".

