

NEWSLETTER

LET'S STEM UP YOUR EDUCATION
MOBILITY TO CAPRI 13-17 MARCH 2023



The implementation of STEM is being developed in schools thanks to interdisciplinary projects which are seeing our students using their skills doing concrete tasks and solving problems connected to real world: for example how to build a bridge using principles of physics and engineering or using specific codes to programme a robot.



WHAT IS THE STEM METHOD AND HOW IS IT IMPLEMENTED IN SCHOOLS

STEM is an acronym for Science, Technology, Engineering and Mathematics. In the modern teaching and learning approaches this new conception foresees the integration of these four subjects in order to make education comprehensive and complete. The STEM method is conceived in order to offer students a job-oriented preparation in the fields distinguished by the acronym (science, technology, engineering and mathematics) founding its approaches on application through collaboration, debates and group works.



New Acquisitions in the use of technology through 3D printers, robotics kits and coding softwares are creating the right prerequisites to make students and teachers aware of STEMS methods in schools, enriching their curriculums with tasks related to technology, maths, science and engineering as well as helping students learn these subjects in a more engaging and interactive way.



LTT activities in Italy

The LTT activities in Italy aimed to focus on what STEM is through different workshops which involved the students of all countries in group works. Thanks to the technologies with which our school in Capri is equipped, the plan of foreseen activities has been implemented with a number of extra activities, responding to the exigence to remove STEM from a mere theoretical concept in order to acquire its "philosophy" through application in different fields.

The Italian Math and informatic teachers, with the collaboration of all partner-teachers have introduced to all groups of students the different dimensions of STEM (Science, engineering, math, technology and design aspect) explaining how they will learn and be evaluated in the process. The different stem dimensions in the groups were debated after a presentation of new-generations intruments such as Drone, Arduino, Visors and 3 D Printing.



All STEM activities find their fundamentals in an approach which aims to critical thinking, problem-solving and collaboration. Effective solutions to real problems can be worked out only if students cooperate in a creative, innovative and stimulating context.

STEM activities take up an important challenge: to prepare students in order catch opportunities in the future. The integration of science, technology, engineering and mathematics in the students' curriculums allows a deep understanding of these subjects and the developping of the skills they need for their future professional careers.



The students were highly motivated and curious to know how these instruments could be programmed and what kind of job opportunities they could offer: teachers were always present to support them and to clarify each single aspects of the learning process.

The work in groups through the "enquiry" methodology made it possible to create expert groups which could disseminate in the groups formed initially all information and skills acquired in the preceding phases. At the very beginning of the working in groups all participants have showed to feel a commune sense of belonging above nationalities: the use of the English language as vehicle to communicate has aimed to create occasions for knowing each-other, discussion and competition contexts. The motivation increases enormously in a new school context and our school in Capri has satisfied all students expectations.....



The welcome ceremony and formation of teams of students through ice-breaking activities was made joyful by the entertainment of the **Scialopolo band**, a folkloristic music band which spreads throughout the world the south-italian musical tradition, using very old traditional instruments and clothes. Our school choir and the participation of Ana, the Romanian student who has won several competitions with her performances, allowed to create a nice and friendly atmosphere



Moreover the students could be impressed by the breath taking views that they could enjoy on the tour around the island.



The Erasmus project is also important for the dissemination of the results on an institutional scale: this is the reason why it was important to involve in the presentation of our programme the deputy mayor of the Anacapri, Franco Cerrotta and the mayor of Capri, Marino Lembo.

Both these two representatives could transmit an important message: the importance of hospitality as a means to unite countries and people.

Our territory is rich in history and culture and its echo has reached people like Axel Munthe and many other artists, who have decided to choose Capri as their election homeland. This is the reason why we have decided to include in our programme the visit of two important places: The villa of Axel Munthe, Doctor and estimated researcher who lived on the island last century and The Cerio museum, a place which collects funds of Capri dating back also to the prehistoric time.



Since Capri has got Greek origins and is situated in a territory where Romanity had its greatest cities (apart from Rome), our Erasmus teams appreciated enormously the planned visit to Pompeii. This city has very ancient origins. In the 7th century B.C. one of the first Italic people, the Oscans, permanently occupied the area situated at the foot of the Mount Vesuvius. Later on, Pompeii became a Roman city and the whole day excursion was spent there, visiting the ruins.



In different languages is kept the concept that love goes also through the culinary taste. It is true that food can be a perfect instrument to transmit cultural values through flavours which relate to our mediterranean tradition.

Our institute has an important section which concerns hotel hospitality and gastronomy. Our students in the field of hospitality were ready to receive the international teams at their arrivals at the port and the ones involved in the gastronomy have worked to prepare healthy delicious daily food and coffee breaks, especially the dishes on the gala teachers' lunch.

We really hope that the collaborations of all teachers and people involved could impress positively all our partners, hoping for a further collaboration in the future.

Capri mobility through some students' eyes

"Throughout the week that I spent in Capri, I was impressed by the culture, people and the island itself, especially the breath-taking views there. The activities and projects were both fun and informative, my favourites being the VR headsets used for educational purposes, but also the astonishing tour of Capri in which we had the chance to see the island's natural beauty. To sum it up, this was a wonderful experience and I'm grateful to have taken part in it."

Bianca Matei

(Romania)



"My experience in Capri was an exceptional one. I enjoyed a variety of educational activities from which I learned a lot and I had the opportunity to interact with students of different nationalities. I am extremely happy that we also had the opportunity to visit some of the attractions in Capri and its surroundings; all these wonderful experiences will remain in my heart forever and I can only be extremely grateful for being part of this amazing Erasmus project. Thank you for everything!"

Ana Mărgean, student (Romania)

