

DECEMBER 2022

# Newsletter #1



**STEAM**  
ing ahead

Fostering critical thinking,  
problem-solving and creativity



## STEAMing Ahead teachers travel to Portugal for a three-days international training seminar

The Escola Superior de Educação de Coimbra (ESEC) hosted in Portugal, between November 22nd and 24th, a meeting of the partners of the European project STEAMing Ahead: Moving the STEAM Approach forward through teacher-led cooperation, which includes higher education institutions, primary schools and science and art centers from Portugal, Spain, Italy, Turkey and the UK.

This project seeks to develop and implement a STEAM approach (Science, Technology, Engineering, Arts and Mathematics) in the educational process, where art and culture appear as fundamental dimensions to an articulated and interdisciplinary pedagogical practice of the various curricular areas of Basic Education.



# Learning, Teaching & Training

For three days, a multidisciplinary team of ESEC teachers (Ana Santiago, Catarina Cruz, Dulce Vaz, Fernando Martins, Marco Bento Margarida Torres and Susana Ribeiro) and ISEC (Nuno Ferreira), coordinated by Professor José Miguel Sacramento, was involved in the formative process, through the dynamization of workshops, other training activities and training and sharing of best practices aimed at teachers of elementary school teachers from the several contexts of origin and cooperating teachers of ESEC.

After this week, as planned in this project, teachers will implement innovative strategies in the educational practices of pilot classes which will be monitored ESEC teaching team.

The workshops focused on each of the of the STEAM areas (Science, Technology, Engineering, Arts and Mathematics), highlighting the sharing of innovative projects innovative projects from educational contexts of Coimbra Schools, developed in articulation with ESEC.



## Training Day 1

With the presidency of ESEC, partners opened the work for the week on Tuesday, November 22nd. The first workshop, promoted by Susana Ribeiro, took place on day 1 and focused on STEAM in visual arts and creativity in the development of the child.

Partners also got to know the different spaces of the school, namely, the studios of ESEC TV and play Mary Poppins singing in the rain! To all our colleagues at ESEC, thank you for your commitment to this transformation!

A very special thank you to our media students, who accompanied us, to make the visual report of the week. Also to the students of music, an impressive performance, of LGP and education. A school in motion to build dreams together!



## Training Day 2

The second day, the activities of the STEAMing Ahead Project took place at the Higher Institute of Engineering of Coimbra, with two workshops related to Engineering, Robotics, Mathematics and Computational Thinking. First with Nuno Ferreira, ISEC teacher and then with practical activities for the preschooler, Primary Education, with the presentation of what is very well done by the Portuguese teachers, namely, in the municipality of Coimbra, in the AE Rainha Santa. The fun in learning is something extraordinary at any age!



## Training Day 3

On the third day of the STEAMing Ahead Project training week, partners worked on two pedagogical approaches in the integration of the two dimensions that we lacked, mathematics and technology. Dulce Vaz led the workshop on Inquiry Based Learning on STEAM and Marco Bento had the opportunity to work on the learning space and inverted learning applied to STEAM.

The afternoon ended in a brainstorming on the curricular design of themes that can be addressed throughout the year in pilot schools in Portugal, Turkey and Italy, monitored by ESEC.

After an intense week of work, partners took time after the training activities to explore all the cultural aspects of the city of Coimbra.



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