

Objectives

- Increase the exposure to engineering professions (starting in VET schools)
- Promote the learning of STEM related subjects through creative and innovative teaching practice
- Deconstruct gender stereotypes and promote gender equality in technical areas
- Increase labour market relevance of VET courses
- Deconstruct negative pre-conceived ideas related to VET learning paths
- Contribute to the comprehension and documentation of women's employment in technical professions in the involved partner countries
- Promote the dialogue between successful women working in technical areas and students, as a means to shorten distances between school and the labour market

Methodology

ENGINE4F supports an “Awareness > Action Plan” methodology in the first two years and the study of the impact in the third year of its application, followed by the development of a set of activities, separated by area, related to STEM subjects and to be implemented in Sciences, Maths, Chemistry and Physics classes, as a way to complement them and to enhance student's motivation and predisposition for learning. Two different subject areas will be assigned to each partner/country.

Project Coordinator

AEVA – Escola Profissional de Aveiro



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Engineer for the Future - Engine4F



Partners

The partnership of project, 10 partners from 6 different countries, involves schools, vet schools, universities, SMEs and Order/association of Engineers. It addresses a common European need related to the lack of qualified staff within technical and engineering professional areas, especially women. It also intends, indirectly and in the future, to increase the relevance of VET courses in the labour market, specially attracting girls into more technical VET areas so that a balance of gender is also achieved.



What is it about?

By increasing the exposure to technical areas and engineering professions and promoting the learning of STEM related subjects through creative and innovative teaching practices, we are also contributing to deconstruct gender stereotypes, promote gender equality within these areas and review negative pre-conceived ideas related to VET learning paths.

Final products

The project comprises the creation of a Virtual Learning Environment (VLE), which acts as a portal giving information on career areas, the curricula of engineering/technical areas, examples of career opportunities within each area, professional profiles, proposals of activities to be developed with students and the possibility to upload or download documents.



Multiplier Event – 7th June 2018

Expected Results

At the end of this project it is expected that not only the number of female students and students in general pursuing VET or other courses focusing on engineering/technical areas increase, but also preconceived negative ideas related to VET courses and engineer career opportunities decrease. A better understanding of employment opportunities related to these areas, along with increased motivation for learning STEM subjects and the development of soft-skills leading to decision-making, problem-solving, etc. is also expected.



Kick off meeting in Bilbao, Spain.

For more information, please check at:

<http://www.pragmaeng.it/engine4f/> and

<http://engine4f.aeva.eu/>