

STEAM_Job Shadowing, Istituto Zaccaria, Italy

Outline

STEAM: teachers at Istituto Zaccaria will observe and engage in innovative teaching practices that integrate Science, Technology, Engineering, Arts, and Mathematics. At the moment, we currently offer the CLIL approach. They will assist in designing interactive lessons, exploring project-based learning methods, and integrating digital tools such as 3D modeling, coding platforms, or robotics. Participants will also analyze classroom management techniques, collaborate on sustainability-focused projects, and observe interdisciplinary approaches that connect STEAM subjects to real-world challenges. Additionally, they will have the opportunity to interact with students, facilitating discussions, and providing feedback on projects, gaining valuable insights into how STEAM education inspires critical thinking and creativity.

Learning outcomes:

STEAM:

- Become better group leaders, collaborators, and gain new perspectives
- Integrate digital tools in the world of education
- Incorporate sustainability and digital tools and explore how they can interrelate
- Observe interdisciplinary approaches that connect STEAM subjects to real-world challenges
- To measure if the job-shadowing has been effective, we will assess if the knowledge and understanding of the broad subject of STEAM has been deepened. This will be done through the activities we plan on offering, such as: assist in designing interactive lessons, exploring project-based learning methods, and integrating digital tools such as 3D modeling, coding platforms, or robotics. Participants will also analyze classroom management techniques, collaborate on sustainability-focused projects, and observe interdisciplinary approaches that connect STEAM subjects to real-world challenges. Additionally, they will have the opportunity to interact with students and facilitating discussions.

Participants requirements:

- Basic understanding of STEAM, digital skills, and sustainability.
- Knowledge of 3D modeling, coding, robotics

Validation:

- To validate participants learning, there will be various learning objectives and rubrics created by our school in order to track process and assess how the job-shadowing is progressing
- The school will release a certificate of completion alongside the hours spent and the objectives met IF the training is managed in cooperation with one of our partners.
- At the completion of the program, participants will take part in a written review of their experience in order to give us anonymous feedback that will enable us to assess the course content, its delivery and its effectiveness.

