

CERTIFICATE OF COMPLETION

Opening Schools to STEM Careers

25/09/2017 - 22/11/2017



European Schoolnet Academy

This is to certify that

Linda Isabella Lidia Giannini

has successfully completed Opening Schools to STEM Careers course on the
European Schoolnet Academy

Brussels, Monday, 4th December 2017



Dr. Àgueda Gras-Velázquez
Course Coordinator



Marc Durando
Executive Director
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Course details

Dates: 25/09/2017 - 22/11/2017

Duration: 21 hours

Description: <http://www.europeanschoolnetacademy.eu/web/opening-schools-to-stem-careers>

Organiser: EUN Partnership aisbl (known as European Schoolnet), Rue de Trèves 61, B-1040 Brussels

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Module 1: STEM careers in schools and in the job market

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Learning what we mean by STEM and why STEM studies are important; 2. Understanding what the STEM skill gap is while having a critical approach to it; 3. Assimilating the main benefits of career counselling in schools and understanding different cognitive-behaviour dimensions as pillars of career development; 4. Getting an introduction to school strategies to foster STEM career awareness, taking into account different possible types of school career counselling scenarios.



Module 2: STEM career pathways

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Learning about current STEM industries and professions; 2. Understanding the evolution of STEM professions and jobs of the future; 3. Defining and recognising what STEM skills are -- specifically, learning about the importance of introducing ICT and digital skills in schools; 4. Comprehending what soft skills are and how these can be transferred to students.



Module 3: STEM leading schools

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Comprehending the concept of school leadership and its typologies and the concept of a STEM leading school; 2. Understanding the different types of career-counselling approaches at the school level; 3. Learning how to integrate different professional roles into STEM career awareness; 4. Learning how to build a STEM career-counselling vision and action plan for their school.



Module 4: Gender stereotypes in STEM education

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Understanding the concept of the STEM gender gap and learning how to analyse data regarding the situation of girls and women in STEM careers; 2. Learning strategies to further address gender equality in schools and to propel girls into STEM careers; 3. Learning about female scientists (present and past) and about current initiatives promoting girls in STEM.



Module 5: Balancing the roles of teachers, mentors, parents and role models

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Developing the concept of mentorship and learning how it can be integrated in schools (with a focus on the roles of

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career counsellors and heads of schools); 2. Learning how to manage the role of parents in career awareness activities; 3. Learning how to integrate STEM professionals in school activities.



Module 6: Benefits of external school to work programs

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Learning about the types of school-to-work programmes available and where to find them; 2. Learning how to guide students towards school-to-work programmes.



Module 7: Career orientation events on STEM education

The course participant who has successfully passed this module has achieved the following learning outcomes: 1. Becoming aware of the main benefits of organising STEM career events in schools; 2. Learning tips and steps for organising their own STEM career event in their school; 3. Exploring case studies of various STEM career events.