CERTIFICATE OF COMPLETION

Teaching with Space and Astronomy in your Classroom

Monday 5th of September - Sunday 16th October 2016

European Schoolnet Academy

This is to certify that

Giger Matthias

has successfully completed Teaching with Space and Astronomy in your Classroom course on the European Schoolnet Academy

Brussels, 16th October 2016

Pedro Russo
Project Coordinator
University of Leiden

Marc Durando
Executive Director
European Schoolnet

Course details

Dates: Monday 5th of September - Sunday 16th October 2016
Duration: 18 hours
Description: http://www.europeanschoolnetacademy.eu/web/teaching-space-awareness-in-your-classroom
Organiser: EUN Partnership aisbl (known as European Schoolnet), University of Leiden, Ellinogermaniki Agogi, Núcleo Interactivo de Astronomia

This course was developed under the Space Awareness project funded by the European Commission's Horizon 2020 Programme under the grant agreement no. 638653.

Course contents

1. Why Space & Space Careers?

The Learning Objectives of this Module are:
1. Understand the rationale behind using space as a teaching context and in relation to STEM related subjects;
2. Know how to use space as a motivational vehicle for stimulating curiosity and excitement;
3. Be able to see the connections behind space and your teaching subjects;
4. Understand why and how space sciences are a showcase of European technology;
5. Understand how space careers choices take place in primary and secondary education ages

2. Working with Inquiry in the Science Classroom

The Learning Objectives of this Module are:
1. Know the steps of IBSE;
2. Understand what each step of IBSE entails and how to apply it in their lessons;
3. Understand the benefits of IBSE;
4. Identify practical, tangible ways in which they can adapt and improve their teaching practices based on what they have learned about IBSE.

3. Use of ICT Tools in the Science Classroom

The Learning Objectives of this Module are:
1. Be familiarized with a series of existing ICT tools, both general ones and space & astronomy tools and apps.
2. Become familiar with the concept of Citizen Science and explore existing resources;
3. Gain confidence in your ability to use and integrate ICT tools in your classes;
4. Develop an inventory of instruments you can use independently after the course.

4. How to Manage Diversity and Gender Balance in the Classroom

The Learning Objectives of this Module are:
1. The importance of talking about how to manage diversity and promote gender balance in the classroom
2. Ways to promote gender balance and diversity in teaching, taking advantage of considerations of past and existent studies in order to develop learning practices in relation to these two matters (with a special attention on

This course was developed under the Space Awareness project funded by the European Commission's Horizon 2020 Programme under the grant agreement no. 638653.

Course contents

improving participation of girls in school science subjects)
3. How Space is an important theme to foster Global Education and Citizenship, gender balance and tolerance for diverse cultures

5. How to introduce space careers to your students

The Learning Objectives of this Module are:
1. Become familiarized with a series of space-careers;
2. Understand the scientific factors behind what motivates and impacts primary & secondary students' choice of careers;
3. Understand how role models affect young people's career choices;
4. Become aware of your role as a guiding role model for young people's career choices;
5. Learn practical strategies and exercises to introduce space careers to your students

This course was developed under the Space Awareness project funded by the European Commission's Horizon 2020 Programme under the grant agreement no. 638653.