

CERTIFICATE OF COMPLETION

Our Wonderful Universe

29th May 2017 - 5th July 2017



European Schoolnet Academy

This is to certify that

Giger Matthias

has successfully completed Our Wonderful Universe course on the European Schoolnet Academy

Brussels, Monday, 17th July 2017



Eleftheria Tsourlidaki
Course Coordinator



Marc Durando
Executive Director
European Schoolnet

Course details

Dates: 29th May 2017 - 5th July 2017

Duration: 12

Description: <http://www.europeanschoolnetacademy.eu/web/our-wonderful-universe>

Organiser: ELLINOGERMANIKI AGOGI, EUN Partnership aisbl (known as European Schoolnet)



Course contents



Module 1: Our Solar System

Learning Objectives:

1. Learn some basic and some fun information about the Solar System
2. Find out information about missions designed to explore our Solar System
3. Find activities to do with your students in class



Module 2: The Sun and the Moon

Learning Objectives:

1. Introduction to the structure and basic information about the Sun
2. Introduction to the structure and basic information about the Moon
3. Information about the Apollo missions, the Solar & Heliospheric Observatory, the Luna programme and future lunar missions
4. Introduction to Heliophysics, space weather and Lunar Science
5. Presentation of the “Solar System” Space Awareness didactic course for primary education



Module 3: The Sun-Moon-Earth System

Learning Objectives:

1. The Sun’s motion as seen from Earth
2. Solar radiation and related phenomena
3. The Moon’s motion as seen from Earth
4. The impact of the Moon on Earth
5. The Rosetta mission, the Voyager mission and the International Space Station
6. The “Basic information about the Universe” Space Awareness didactic course for secondary education.



Module 4: Beyond our solar system

Learning Objectives:

1. The observable Universe and galaxies
2. The life cycle of stars including the most common objects related like red giants, supergiants, white dwarfs, nebulae, neutron stars, black holes and supernovae
3. The Gaia mission, the James Webb Space Telescope, the Hubble telescope and the Lisa pathfinder mission.
4. Astronomy, cosmology and aerospace engineering
5. The “A journey to the Universe: A puppet show” Space Awareness didactic course for primary education.

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