

# inspiring SCIENCE

European science education academy

## The new courses of the European Science Education Academy are published!

ESEA is endorsed by:



(<http://www.eps.org>)

Visit the ESEA website for more information!  
<http://esea.ea.gr/>

Save the dates!

#### The Mars Mission

02-07 July 2017, Marathon Greece

#### Stories of Tomorrow

02-07 July 2017, Marathon Greece

#### Go-Lab

02-07 July 2017, Marathon Greece

#### CREATIONS

02-07 July 2017, Marathon Greece

#### Ark of Inquiry

09-14 July 2017, Marathon Greece

#### Discover the Cosmos

09-14 July 2017, Marathon Greece

#### Creativity in Early Years Science Education

09-14 July 2017, Marathon Greece

#### Astronomy Adventures

17-21 July 2017 – Canary Islands, Spain

#### Science Through Space and Time

5-10 September 2017, United Kingdom

#### ESA-GTTP Workshop

9-14 October - Netherlands

#### Beyond Earth Orbit

19-24 November 2017, Innsbruck Austria

#### Questions, comments, ideas?

#### Contact us:

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The European Science Education Academy (ESEA) has released the upcoming courses for the for 2017. We are happy to be able to present to you an **even wider array of exciting courses** with experts from all over Europe that will help and support you in creating more exciting science lessons.

#### Are you interested to

- Learn about the **Big Ideas of Science?**
- Join us to design a **Space Mission to Mars?**
- Meet and learn from **Space experts** first-hand about space science?
- Experience how **Theatre** and other forms of **Arts** can teach science subjects, like high-energy physics?
- Integrate **Storytelling** in your science teaching?
- Find engaging ways on how to **combine STEM with Arts?**
- Become a **change agent** in your school for innovative science education?
- Help **modernize science education** in your school?
- Engage students from **primary schools** in **creative science education?**
- Introduce **Inquire Based Science Education (IBSE)** to make science lessons **more exciting** for your students?
- Experience **astronomy adventures** to make science education more attractive?
- Travel through **space and time** with Science?
- Understand how to include **online and real scientific remote labs** in your classroom?
- Become part of a **world-wide network** of innovative science teachers?
- Learn how to **program robots** to explore the dusty deserts of Mars?

### Register today for the upcoming courses!

#### The ESEA training activities, workshops and courses – an overview

ESEA training activities are specifically designed for teaching professionals in STEAM disciplines (Science, Technology, Engineering, Arts and Mathematics). The common objectives of ESEA training activities are to introduce teachers to innovative ways for conduct their science classrooms. Participants will meet interesting proposals mixing inquiry based learning, resource based and project based teaching methodologies among other. Furthermore, teachers and education professionals will be trained in linking those approaches with the numerous collections of open digital educational resources, engage in real research experiences and contact experts in diverse science and art fields.

ESEA is organizing the following training activities in the upcoming year:

#### Inspiring Science Education Academy 2017 –

2-7 July & 9-14 July 2017 – Marathon, Greece

The ISE Academy 2017 in Marathon, Greece - just outside of Athens - consists of eight exciting summer schools, each of them specifically designed to support educators in their efforts to modernize today's science education. ISE courses will cover areas such as the Big Ideas of Science, the use of remote & online labs, how Arts can teach Science, Inquiry Based Science Education (IBSE), story-telling, and many other innovative teaching concepts.

See below all the courses offered in these two weeks!

Read more here:

<http://ise.ea.gr/>



INSPIRING SCIENCE EDUCATION ACADEMY 2017

# The ISE Academy 2017 Summer Schools – An Overview

ISE Academy 2017 - Week 1

2-7 July 2017



## The Mars Mission

The participants of The Mars Mission summer school will go on a unique trip on the red planet and attempt to explore its secrets. While on Mars, teachers will learn about inquiry and interdisciplinary learning as well as how to manage diverse classrooms and gender balance. The introduction of space related careers to students and the use of ICT tools for science education will also be discussed. <http://mars.ea.gr>



## Stories of Tomorrow

Join us in an exciting and innovative summer school about Storytelling in the science classroom! Understand the enormous potential of storytelling to support the development of students' inquiry skills and help them gain initial scientific experience while at the same time enable them to use the potential of the imagination and creativity. <http://stories.ea.gr>



## Go-Lab

The Go-Lab course will introduce teachers to the use of online virtual experiments and remote laboratories as well as inquiry-based science teaching techniques in order to help them develop, improve and enhance their teaching skills and practices. Read more here: <http://golab.ea.gr/>



## CREATIONS

The CREATIONS Summer School introduces innovative approaches and activities that involve STEM teachers and students through creative ways based on the arts. Read more here: <http://creations.ea.gr>

ISE Academy 2017 - Week 2

9-14 July 2017



## Ark of Inquiry

The Ark of Inquiry Summer School will introduce to teachers the concept of Responsible Research and Innovation, the use of online resources as well as inquiry-based science teaching techniques in order to develop, improve and enhance their teaching skills and practices and to better connect their schools with the society. <http://ark.ea.gr>



## Discover the Cosmos

The Discover the cosmos course will enhance science education by presenting the fabric of the cosmos as it was shaped by scientific evidence and explanations over the last 400 years of scientific advancement. Read more here: <http://ise.ea.gr/content/description-discover-cosmos-telescopes-accelerators>



## Creativity in Early Years Science Education

The CEYS course will support classroom innovation and to train teachers and leaders of European schools to act as successful change agents in their schools in order to promote creative approaches, in both teaching and learning, to science learning in preschool and the first years of primary school. Read more here: <http://cls.ea.gr/>