

inspiring SCIENCE

European science education academy

Join us for this year's Inspiring Science Education Summer Schools in Greece!

ESEA is endorsed by:



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

Visit the ESEA website for more information!

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

Save the dates!

Week 1 - 1 - 6 July 2018

The Mars Mission

<http://mars.ea.gr>

Stories of Tomorrow

<http://stories.ea.gr>

Open Schools for Open Societies

<http://osos.ea.gr>

Week 2 - 8 - 13 July 2018

Go-Lab

<http://golab.ea.gr>

CREATIONS

<http://creations.ea.gr>

CASE

<http://www.project.case.eu>

Questions, comments, ideas?

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The European Science Education Academy (ESEA) is proud to announce a new series of exciting **ISE Summer Schools for 2018**. We are happy to present you with an even wider array of courses based on the latest educational trends, such as: **Open Schooling, STE(A)M, Digital Storytelling, Deeper Learning, Online Labs, IBSE**. All courses are supported by experts from all over Europe that will help and support you in creating more exciting science lessons.

Come join us in Marathon, Greece in July 2018 for a unique opportunity to interact and work closely with educational experts and scientists to develop new learning activities for your schools and students.

Are you a teacher or headmaster in primary and secondary education and interested to:

- **Modernize science education** in your school?
- Design an exciting **Space Mission to Mars**?
- Experience how to use the arts to better teach science subjects, like high-energy physics?
- Learn about the **Big Ideas of Science**?
- Establish an **open, curious, welcoming, democratic school environment** which will support the development of innovative and creative projects?
- Understand how to include **online and remote labs** in your science classroom?
- Integrate "**storytelling**" in your science teaching?
- Find engaging ways on how to combine **STEM with Arts**?
- Take initiative to implement **innovative practices** in your school?
- Introduce **Inquire Based Science Education (IBSE)** to make science lessons more exciting for your students?
- Establish a school environment which **fosters learner independence** and interdependence?
- Facilitate the process for **envisioning, managing and monitoring change** in your school?
- Learn how to inspire, engage and **connect with the local society** around your school?
- Become part of a **world-wide network of innovative science teachers**?

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.

Inspiring Science Education Summer Schools 2018

1-6 July & 8-13 July 2018 – Marathon, Greece

The ISE Summer Schools 2018 in Marathon, Greece - just outside of Athens - consists of six exciting summer schools, each of them specifically designed to support headmaster, teachers and educators in primary and secondary education in their efforts to modernize today's science education. ISE Summer Schools will cover areas such as: School Innovation Management, The Big Ideas of Science, the use of remote & online labs, how Arts can be used to teach Science, Inquiry Based Science Education (IBSE), Storytelling, and many other innovative teaching concepts.

See below all the courses offered in these two weeks!

Read more here: <http://ise.ea.gr/>



ISE SUMMER SCHOOLS 2018

The ISE Summer Schools 2018 - An Overview

ISE Summer Schools 2018 - Week 1

1 - 6 July 2018



The Mars Mission – Creating a Mission to Mars using a multidisciplinary approach

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>

Keywords: Secondary school teachers, The Big Ideas of Science, multi-disciplinary teaching



Stories of Tomorrow – Storytelling to facilitate students' deeper learning in STEM

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 to them to use the potential of the imagination and creativity. <http://stories.ea.gr/>

Keywords: Secondary school teachers, digital storytelling, ICT and science, deeper learning



Opens Schools for Opens Societies

Get familiar with the OSOS Open Schooling Model which puts emphasis on creating viable change to school settings that lasts and expands. Learn about the OSOS Open Schooling approach and prepare your school to participate in a strong school network which is ready to share their experiences with others. Through the OSOS Summer School Course, you will be given the knowledge and skills to assess existing learning methods and material in your school, abandon those which fail or are too costly, learn lessons, and disseminate and reproduce the successful ones on a larger scale. <http://osos.ea.gr>

Keywords: School heads, communities of practice, change agents, schools as innovative ecosystems, RRI principles, Open Schooling

ISE Summer Schools 2018 - Week 2

8 - 13 July 2018



Go-Lab – Using Online Science Laboratories for Inquiry Learning

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

Keywords: Secondary school teachers, online / remote labs, IBL / IBSE, ICT



CREATIONS

CREATIONS introduces innovative approaches and activities that involve teachers and students in scientific research through creative ways that are based on the Arts. The course focuses on the development of effective links and synergies between schools and research infrastructures in order to spark young people's interest in science and in following scientific careers. <http://creations.ea.gr>

Keywords: Secondary school teachers, theater, arts, science education, research centers



CASE - Creativity, Arts and Science in Primary Education

CASE introduces case studies for creative science inquiry, e.g. Learning Science Through Theater, Puppety and Learning through Art and Narratives for primary schools. The participants will learn how to implement these approaches in the primary school setting. After the completion of the Summer School the participants will be able to collaborate with schools and implement them. <http://www.project-case.eu>

Keywords: Primary school teachers, theater, arts, science education

Participation for all courses can be funded by Erasmus+ (KA1). Learn how to successfully apply for funding here!
<http://esea.ea.gr/content/how-apply>