JOIN THE OPEN EDUCATIONAL RESOURCES COMMUNITY

Inspiring Science Education

Providing access to inspirational digital resources and learning opportunities

in^{spi}riⁿg SCIENCE education

The mission of the Inspiring Science Education is to provide digital resources and opportunities for teachers to help them make science education more attractive and relevant to students' lives. Through the Inspiring Science Education website and the activities organised by the partners, teachers can help students make

their own scientific discoveries, witness and understand natural and scientific phenomena and access the latest, interactive tools and digital resources from within their classrooms

Inspirational science teachers are at the heart of successful science teaching – ask any scientific Nobel prize-winner who had the greatest influence on their decision to become a scientist and invariably the answer will be – my Science Teacher! So what is it that makes a science teacher truly inspirational? That's one of the conundrums we aim to unravel in the Inspiring Science Education project. That's why we will be setting up workshops and exchanges, communities of practice and learning opportunities for science teachers and teacher trainers aimed at helping them find ways to make their teaching of science more inspirational.

As a project team we are aiming for large-scale take-up of these opportunities amongst European science teachers. Pilot activities will take place in 5000 primary and secondary schools in 15 European countries. During these pilots, teachers will be accessing interactive simulations, educational games and eScience applications and integrating them with extra-curricular activities, such as field trips to science centres and discovery parks, and virtual visits to research centres. Teachers will also have the possibility to access remote and online labs, and relevant scenarios for their use in the school classroom. Students will be inspired to use eTools and digital resources to learn Science, Technology, Engineering and Maths (STEMrelated subjects) in a practical, competitive and exciting way.

http://portal.opendiscoveryspace.eu/ise

Schools Study Earthquakes



The "Schools Study Earthquakes" (SSE) Erasmus+ project focuses on the study of a physical phenomenon with great societal impact and proposes pedagogical practices based on inquiry-based methods that are more effective in science education. The objective of this combination is on one hand to increase children's and students' interest in science, on how science is made and how it affects everyday life, and on the other to stimulate teacher motivation on up-taking innovative teaching methods, subjects and practices to enrich and renew the science curriculum. One key objective of the project is to provide increased opportunities for cooperation and collaboration between schools across European countries and encourage relationships between stakeholders of both formal and informal education by establishing a

network of schools that will study real data, do real analysis of real seismic activity in real time. The SSE project will enhance secondary science teachers' capacity to teach science effectively based on the pedagogical principles of inquiry-based science education while being able to engage students in employing real-problem solving skills, handling and studying situations, and participating in meaningful and motivating science inquiry activities. SSE is carried out by a consortium of educational institutes from five countries across Europe, namely Greece, Italy, Cyprus, Turkey and Bulgaria, all with significant seismic activity.

Open Discovery Space Academy (ods.ea.gr)



The Open Discovery Space Academy for School Innovation, exploiting and expanding the outputs, experiences and heritage of the Open Discovery Space project, offers a multitude of courses to school leaders, teachers acting as change agents in their schools and teachers with a newly acquired taste for innovative practices from all over Europe. Participants will exploit the experiences and lessons learnt from the largest European network

of pilot schools (2500) that participated in Open Discovery Space, together with the school innovation toolkit that was designed based on empirical research and data from actual school settings across Europe.



Erasmus+ in^{spiring} science

The summer school is organized in the framework of the Erasmus+ Programme and is supported by the Inspiring Science Education Programme.

Discover the Cosmos: From Telescopes to Accelerators Summer School 2016

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SCIENCE EDUCATION

Programme July 10th – July 15th, 2016 Marathon, Attica, Greece

Organized by

ELLINOGERMANIKI AGOGI

DISCOVER THE COSMOS SUMMER SCHOOL

PROGRAMME

Visit to Cape Sounio, Sanctuary of Poseidon (July 11th, 18:00 – 24:00)



Visit to the Acropolis Museum (July 13th, 16:00 – 18:30)



The New Acropolis Museum under the Acropolis of Athens "came to life" when at 2000, the Organization for the Construction of the New Acropolis Museum announced an invitation to a new tender, which came to fruition with the awarding of the design tender to Bernard Tschumi with Michael Photiadis and their associates and the completion of construction in 2007. The Museum has a total area of 25,000 square meters, with exhibition space of over 14,000 square meters, ten times more than that of the old museum on the Hill of the Acropolis. The new Museum offers all the amenities expected in an international museum of the 21st century. Permanent exhibitions: The Gallery of the Slopes of the Acropolis, The Archaic Gallery, The Parthenon Gallery, Propylaia-Athena Nike-Erechtheion, from 5th century BC to 5th century AC.

DISCOVER THE COSMOS SUMMER SCHOOL

EVENTS

Cape Sounio is a promontory located 69 kilometres from Athens, at the southernmost tip of the Attica peninsula. According to legend, Cape Sounion is the spot where Aegeus, king of Athens, leapt to his death off the cliff, thus giving his name to the Aegean Sea. The sanctuary of Poseidon, one of the most important sanctuaries in Attica, is also located at Sounio. Archaeological finds on the site date from as early as 700 BC. Herodotus tells us that in the sixth century BC, the Athenians celebrated a quadrennial festival at Sounion, which involved Athens' leaders sailing to the cape in a sacred boat. The later temple at Sounion, whose columns still stand today, was probably constructed in 450-440 BC. over the ruins of a temple dating from the Archaic Period. Poseidon, the "God of the Sea" was considered to be a powerful god, second only to Zeus (Jupiter). The temple at Cape Sounion, was a venue where mariners, and also entire cities or states, could propitiate Poseidon, by making animal sacrifice, or leaving gifts.

Visit to the Acropolis of Athens (July 13th, 19:00 – 20:30)



The greatest and finest sanctuary of ancient Athens, dedicated to the goddess Athena, dominates the centre of Athens from the rocky crag of the Acropolis. The most celebrated myths; religious festivals; earliest cults are all connected to this sacred precinct. These unique masterpieces of ancient architecture combine different orders and styles of Classical art in a most innovative manner and have influenced art and culture for many centuries. The Acropolis of the 5th century BC is the most accurate reflection of the splendour, power and wealth of Athens at its greatest peak, the Golden Age of Pericles. In the midfifth century BC, when the Acropolis became the seat of the Athenian League, Pericles initiated an ambitious building project which lasted the entire second half of the fifth century BC. The architects, Ictinos and Callicrates, began the erection of this unique monument at 447 BC and the building was substantially completed by 432 BC. The most important buildings visible on the Acropolis are the Parthenon, the Propylaia, the Erechtheion and the temple of Athena Nike.