

Join the Open Educational Resources Community

Inspiring Science Education

Providing access to inspirational digital resources and learning opportunities



Our mission in the Inspiring Science Education (<http://www.inspiringscience.eu>) 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.

Open Discovery Space

A socially-powered and multilingual open learning infrastructure to boost the adoption of eLearning resources



Open Discovery Space (<http://www.opendiscovery.space.eu>) aims to serve as an accelerator of the sharing, adoption, usage, and re-purposing of the already rich existing educational content base. It will demonstrate ways to involve school communities in innovative teaching and learning practices through the effective use of eLearning resources. Moreover, it will promote community building between numerous schools of Europe and empower them to use, share and exploit unique resources from a wealth of educational repositories, within meaningful educational activities. In addition, it will demonstrate the potential of eLearning resources to meet the educational needs of these communities, supported by European Web portal: a community-oriented social platform where teachers, pupils and parents will be able to discover, acquire, discuss and adapt eLearning resources on their topics of interest. Finally, it will assess the impact and document the whole process into a roadmap that will include guidelines for the design and implementation of effective resource-based educational activities that could act as a reference to be adopted by stakeholders in school education.

Inspiring Science Education e-tools and approach

Let's GO STEM workshop: simple machines, energy, power & movement

(Thursday 09:30 – 12:30)



Let's GO STEM workshop is an innovative science classroom activity that enables students to research, collect data, understand how to store and transfer energy, understand concepts such as power, speed, friction and how machines work, follow scientific methodology, draw conclusions and propose solutions to real needs. Students can select the appropriate materials and designs, run tests and investigate safety & control systems or use instructions in two dimensions to construct three-dimensional originals by working cooperatively in a group. This workshop is divided in various units that deal with the following topics: a) simple machines b) power and movement c) energy d) electric motors e) special constructions

Augmented Reality (AR) in Education: the Science Center To Go system (SCeTGo)

(Thursday 12:30 – 13:00)



SCeTGo aims to bring into a school's classroom a comprehensive learning experience similar to the one found in science centres where visitors can experience science firsthand by actively manipulating intriguing experimental setups. Its miniature exhibits – by 'fitting into a pocket' and operating with ordinary hardware – enable learners to experiment whenever and wherever they please. By using AR, it enriches teachers' and students' optical view with relevant information and allows them to interact dynamically with the miniature exhibits to teach/learn by doing. As it uses common devices there are no real obstacles that a potential learner has to overcome in order to operate the system. Summer school participants will have the opportunity to see how the SCeTGo's five miniature exhibits support IBSE practices.

Inspiring Science Education Summer School 2015

Programme July 12th – July 17th, 2015 Marathon, Attica, Greece



The summer school is organized in the framework of the Erasmus+ Programme and is supported by the Inspiring Science Education project which is financed by the European Commission within the ICT-PSP Programme.



Organized by Ellinogermaniki Agogi

