



PARTNERS

CREATIONS project unites participants from many European countries, including Norway, Sweden, Finland, United Kingdom, Germany, France, Switzerland, Spain, Serbia, Greece and Malta. All project's consortium members have outstanding expertise in engaging science education and experience in cross-cultural collaboration. This will ensure the development and implementation of the CREATIONS Framework, as well as enhance the establishment of a pan-European network of scientists, art and science teachers, artists and students. CREATIONS activities will take place in various European countries. To find out more about the activities schedule, please visit the project's website.

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DEVELOPING AN ENGAGING SCIENCE CLASSROOM

CREATIONS
Developing an Engaging
Science Classroom



Funded with the "Horizon 2020
Framework of the European Commission"

THE PROJECT

How can young people's interest in science be increased? 16 partners from ten European countries want to break new ground. In CREATIONS, a project funded by the European Union, they develop creative approaches based on art for an engaging science classroom.

Art is too often perceived as being something that is opposite to science. But in CREATIONS the combination of these two areas can enhance cross-disciplinary thinking and raise student's interest in both. The partners are planning a variety of events with theatre, photography, exhibitions in which young people can experience an active and playful role within science and research.

CREATIONS will establish a pan-European network of scientists, teachers, artists and students. The project was launched in October 2015 and runs for three years.

GOALS

CREATIONS aims to improve the skills of young people in STEM (science, technology, engineering, mathematics) and to pool talent to scientific careers by:

- giving students and teachers opportunities to experiment with many different places, activities, personal identities, and people
- simulating the work of scientists and researchers in the classroom
- promoting a better understanding of how science works
- enhancing student's science related career aspirations
- encouraging and empowering science teachers to affect change
- implementing and promoting inquiry-based science teaching and learning
- learning and (self)creating in emotionally rich learning environments
- disseminating and exploiting the results of the project

EXAMPLES

art@CMS

Art@CMS is an education and outreach initiative of the CMS experiment at the Large Hadron Collider (LHC), the world's largest and most powerful particle accelerator at CERN, the European Laboratory for Particle Physics. It acts as an inspiring springboard for engaging the youth in the excitement of scientific research in High Energy Physics. The CREATIONS Project is setting up school-based projects and art-science collaborations into scientific outreach events, by fostering creative synergies between scientists, students, educators and artists.



Learning Science through Theater

Learning Science Through Theater is an initiative that gives the opportunity to high school students to stage a play and dramatize scientific concepts and knowledge from their curricula. Writing science stories (scripts), composing music, creating settings, costumes and choreography are some of the activities that students and teachers are involved.

In this adventure students and teachers are supported by scientists in research centers and collaborate with them in order to understand the scientific concepts and phenomena that are called to perform.

Global Science Opera

The Global Science Opera (GSO), is an initiative engaged in a democratic and creative global effort which exhibited a flat hierarchy in which pupils could interact with scientists, composers could interact with physicists, science teachers could interact with opera educators, and all participants could freely learn from, and explore, together with all others: Democracy, respect and friendship was, and will be, the heart of this community. Each year students and teachers have to work with a specific scientific field. The network of over 35 countries is collaborating over a web community (digital interaction and live streaming) that helps them come together and co-create.