

PLATON

Promoting innovative Learning Approaches for the Teaching of Natural sciences



PLATON will provide teachers and school communities with a coherent teachers' training framework which will update their current teaching practices. More particularly, PLATON aims to offer an open and innovative training framework to teachers of primary and secondary education which will focus on interdisciplinary and inquiry learning as well as the collaboration between teachers of the same school unit. This way the project will strengthen the profile of the teaching profession by providing teachers with the necessary training that will allow them to master the use of inquiry learning in their everyday teaching and the necessary tools for involving their students in interdisciplinary activities where meaningful learning occurs as they consciously and explicitly link their new knowledge to an existing knowledge structure.

<http://platon-project.eu/>

Open Schools for Open Societies - OSOS



OSOS is supporting a large number of European schools to implement Open Schooling approaches by a) setting out the open schooling values and principles for action around curriculum, pedagogy and assessment; b) offering guidelines and advice on issues such as staff development, redesigning school timetable, and developing partnerships with relevant stakeholder organisations (local industries, research organisations, parents associations and policy makers); and c) suggesting a range of possible implementation models from small-scale prototypes through to setting up an "open school within a school" or even designing a "new" school. These approaches will be evaluated in more than 1,000 school environments in 11 European countries (Greece, Germany, Italy, France, Israel, Ireland, the Netherlands, Spain, Portugal, Finland, Bulgaria). The themes of the project activities that will take place in participating

schools will focus on areas of science linked with the Grand Societal Challenges as shaped by the European Commission, will be related to Responsible Research and Innovation and will link with regional and local issues of interest. By proposing and implementing such formats in 11 countries, the project aims to facilitate the transformation of schools to innovative ecosystems, acting as shared sites of science learning for which leaders, teachers, students and the local community share responsibility, over which they share authority, and from which they all benefit through the increase of their communities' science capital and the development of responsible citizenship.

<http://www.openschools.eu>

Stories of Tomorrow

Students Visions on the Future of Space Exploration



Storytelling is a great way 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. The STORIES project is using the concept of storytelling as a catalyst for the effective interaction between Arts and STEM disciplines which share in many ways similar values, similar themes and similar characteristics.

The project will design and test a new vision for teaching and help develop strategies for how teachers' roles and conditions can support and enable deeper learning for students. To do that, the project will include and use innovative and meaningful digital technologies, such as advanced interfaces, learning analytics, visualization dashboards and Augmented/Virtual reality applications and build a storytelling platform where students will develop and publish stories about a Mars Mission.

<http://www.storiesoftomorrow.eu/>

The Mars Mission Summer School 2018



Programme

July 1st – July 6th, 2018

Marathon, Attica, Greece

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
1 July 2018	2 July 2018	3 July 2018	4 July 2018	5 July 2018	6 July 2018
Participants' Arrivals & Registration (from 14:00 on)	09:30 – 13:00 Mars Exploration Missions: A crashcourse for classrooms <i>Dr. Gernot Groemer Austrian Space Forum</i>	09:30 – 11:30 The STORIES Platform VR/AR features Miltiadis Anastasiadis <i>Motivian</i> Nikos Papastamatiou <i>OMEGA</i> Workshop: AR / VR features Practice reflection	09:30 – 11:30 Using WeDo to Colonize Mars - Example of a Japanese Classroom Mr. Masashi Maeda <i>Mie University</i> The Mitaka Software Dr. Akihito Tomita - <i>Wakayama University</i> 11:30 – 13:00 Mars Classroom experiments Laurianne Palin <i>Cite de la Space</i> Martian Garden; Biodiversity in Action; Mars Rover Rosa Doran Steph Tyska Jose Seraiva <i>NUCLIO</i>	09:30 – 11:30 Revisiting the Stories of Tomorrow concept Dr. Sofoklis Sotiriou <i>Ellinogermaniki Agogi</i> 11:30 – 13:00 Developing the conditions for Deeper Learning - Reflections on the evaluation results of the first pilot Franziska Körner Beatrice Ann Marschke <i>University of Magdeburg</i>	Presentation of stories
15:00 – 18:00 Introduction to the summer school Meet & Greet Inspiring Stories Made by Students	14:30 – 15:00 Discovery Space - An Advanced 3-D authoring environment Didier Laval <i>Airbus Foundation</i>	11:30 – 13:00 Workshop: Story-telling Dr. Evangelia Dimaraki <i>Ellinogermaniki Agogi</i>			
18:00 – 20:30 Open Schools for Open Societies Dr. Sofoklis Sotiriou <i>Ellinogermaniki Agogi, Greece</i> Patrick Sullivan <i>Director, Curriculum & Assessment, NCCA, Ireland</i> National curriculum standards: never-changing and ever-changing Dr. Akihito Tomita <i>Wakayama University, Japan</i> The Enquiring Classroom: Values, Identity, Exploration Prof Aislinn O'Donnell <i>NUI Maynooth University, Ireland</i> iMuSciCA: A web-based interactive lab for STEAM learning Vassilis Katsouras <i>Athena Research and Innovation Centre, Greece</i> An expedition of a lifetime: Mars Dr. Gernot Groemer <i>Austrian Space Forum, Austria</i>	15:00 – 15:30 Stories of Tomorrow: Introduction & Concept Dr. Sofoklis Sotiriou <i>Ellinogermaniki Agogi</i> 15:30 – 17:30 Design a mission to other worlds Didier Laval <i>Airbus Foundation</i>	15:00 – 16:00 Interdisciplinarity with the Big Ideas of Science / Inquiry with Mystery Boxes Rosa Dorn <i>NUCLIO</i> 16:00 – 17:30 Building a sustainable base My Mars Mission - Activity Rosa Doran Steph Tyska Jose Seraiva <i>NUCLIO</i>	16:00 – 23:00 Visit to the Acropolis Museum and the Acropolis Dinner in Plaka	15:00 – 17:30 Workshop: Finalising the Stories	
	Visit at Cape Sounio, Sanctuary of Poseidon	21:00 Virtual Visit to the Biosphere2, Arizona / USA		Farewell Dinner	

Visit to Cape Sounio, Sanctuary of Poseidon
(July 2nd, 18:00 – 23:30)



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 Museum
(July 4th, 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, Propylaea-Athena Nike-Erechtheion, from 5th century BC to 5th century AC.

Visit to the Acropolis of Athens
(July 4th, 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 mid-fifth 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 Propylaea, the Erechtheion and the temple of Athena Nike.