



A two-day Conference – Multiplier event
«STEAM strategies for Science Education and the teaching of
astronomy concepts in preschool education»

Day 1 – Friday 16 June 2023

Venue: Event Room of the “Theomitor” Foundation of the Holy Diocese of Rethymno and Avlopotamos

Time	Contributor	Subject-Title	Type of activity	Duration
8:00-8:30	Arrivals-Registration			30'
8:30-9:00	Introduction – Welcome speeches			30'
9:00- 9:15	Eleftheria Simitzi-Della Advisor of Education for the kindergartens in Rethymno, Ministry of Education	Introduction to the theme of the two-day conference	Speech	15'
9:15-9:30	Anna Atsali Advisor of Education for the kindergartens in Lasithi & Rethymno, Ministry of Education	Project NGSS: « <i>Science Education in the New Curricula for preschool education</i> »	Oral presentation	15'
9.30-10.00	Maria Ampartzaki Associate Professor, University of Crete	Project NGSS: The STEAM approach in six European countries	Oral presentation	30'
10.00-10.30	Kostas Christidis Artist-Educator, University of Crete	Project NGSS: Doing better Science through Art. The example of Galileo Galilei and Richard Feynman.	Oral presentation	30'
10.30-11.00	Maria Ampartzaki Associate Professor, University of Crete	Project NGSS: Introduction to the SCAMPER method	Interactive Oral presentation	30'
11.00-11.30	Michail Kalogiannakis Associate Professor, University of Crete Maria Ampartzaki Associate Professor, University of Crete	Presentation of the ABATAC project	Oral presentation	30'
11.30-12:00	Coffee break			30'
12:00-12:45	Fotini Klironomou Kindergarten teacher (ΠΕ60) Papadianika, Lakonia	Inquiry-based and Art-based learning in the ABATAC project. Examples from classroom implementations	Oral presentation of classroom activities	45'



Ελληνική Δημοκρατία
Υπουργείο Παιδείας και Θρησκευμάτων

Διεύθυνση Πρωτοβάθμιας Εκπαίδευσης Ρεθύμνου



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Erasmus+ Programme
of the European Union



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12.45-13.30	Konstantinos Tassis Astrophysicist, Professor, University of Crete Vasiliki Pavlidou Astrophysicist, Professor, University of Crete	Project ABATAC: Motivation and action in Science Education and the teaching of Astronomy	Oral presentation	45'
13.30-14.00	All contributors	<i>Rounding up the 1st Day Presentation of the agenda of the 2nd day</i>	Questions, Discussion, Conclusions	30'

Important note: We kindly request all participants to ensure they have a tablet or smartphone with the Kahoot! App already installed on the first day of the Conference.

You can download the app for free on either the Play Store (for Android devices) or the App Store (for Apple devices).

With the support of:

1. Ministry of Education, Directorate of Primary Education in Rethymno – The Advisor of Education for the Kindergartens in Rethymno
2. Project NGSS, Department of Preschool Education, University of Crete, Funding: Erasmus+(2020-1-TR01-KA201-094463)

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Day 2 – Saturday, 17 June 2023

After registering, participants will engage in small group oral presentations and workshops.

(2 groups consisting of a maximum of 20 individuals will be formed)

**Venue: Gallos Campus, University of Crete
Art toom, Room G2, Seminar Room I & Seminar Room II**

Time	Contributor	Subject-Title	Type of activity	Duration
8:00-8:30	Arrivals - Registration			30'
8:30-9:45	Maria Ampartzaki Associate Professor, University of Crete Fotini Klironomou Kindergarten teacher (ΠΕ60)	<i>Project ABATAC: «Introduction to inquiry-based learning»</i>	Workshop	75'
8.30-9:45	Kiriaki (Sandy) Trichaki Music Educator – University of Crete	<i>Project ABATAC: «From STEM to STEAM: Sound as a source of experimentation and creation»</i>	Oral presentation- presentation of activities	75'
9:45-9:55	Break			10'
9.55-11.10	Maria Ampartzaki Associate Professor, University of Crete	<i>Project NGSS: “Inquiry-based learning as a strategy for achieving Next Generation Standards through STEAM»</i>	Workshop	75'
9.55-11.10	Kiriaki (Sandy) Trichaki Music Educator – University of Crete	<i>Project NGSS: «Studying the natural phenomenon of sound through music and movement activities»</i>	Oral presentation- presentation of activities	75'
11.10-11.20	Διάλειμμα			10'
11.20-13.20	Irini Androulaki Art Educator	<i>Project ABATAC: "Talking through shapes – The pattern"</i>	Oral presentation- presentation of activities	120'
11.20-13.20	Maria Glyka Art Educator	<i>Project ABATAC: "Sidereus Nuncius*"</i> *Based on the notebook <i>Sidereus Nuncius</i> which was published in 1610 by Galileo Galilei and presents drawings of the Moon, the Moon's surface and other features of the celestial bodies he could observe through his telescope.	Oral presentation- presentation of activities	120'
13.20-13:30	Break for a quick snack			10'



13.30-15.30	Irini Androulaki Art Educator Maria Ampartzaki Associate Professor, University of Crete	<i>Project NGSS: "Repetitions in space and time. The contribution of Art in understanding periodicity in STEM"</i>	Oral presentation- presentation of activities	120'
13.30-15.30	Maria Glyka Art Educator Konstantinos Tassis Astrophysicist, Professor, University of Crete Vasiliki Pavlidou Astrophysicist, Professor, University of Crete	<i>Project NGSS: "Observation as a fundamental process in the STEAM approach"</i>	Oral presentation- presentation of activities	120'
15.30-15.45	All contributors	Rounding up the 2nd Day Concluding the two-day conference	Discussion, conclusions	15'

To participate in the workshops and oral presentations of the 2nd day you must register using the following link: <https://forms.office.com/e/qRNimWtDDV>

If there are excess registrations, a selection and waiting list will be implemented.

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