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STEAME Micro-credential Certification Programme 2024

Implemented at the “Mathematics and STEAME - Educational Summer School 2024”

Under the patronage of the Minister of Education, Sports and Youth of Cyprus, Dr Athena Michaelides

Teacher Training Programme (Free of charge)

Number of Sessions	Session Topic	Presenter/Presenters	Duration/Venue	Type of session	Date
1	Information meeting and cooperation framework for educators	<ol style="list-style-type: none"> Gregroy Makrides: Presentation of the educational training programme and certification - briefing Yiannis Lazarou: Coordination and collaboration between educators in a STEAME project: “How complex is STEAME after all?” 	2 hours Online Session	ONLINE	21/2/2024 17:00-19:00
2	Pedagogical Approaches to STEAME Education- Basic Principles of Activity Design and Structural Elements for the Development of Learning and Creativity Plans	<p>Eleni Papageorgiou & Kyriacos Mattheou: The pedagogy of STEAME Education through examples - Methodology of STEAME activities (Project Based Learning (PBL), Inquiry Based Learning (IBL), Context Based Learning (CBL)) - Key elements for the development of a STEAME Learning and Creativity Plan (L&C plan)</p> <p>Participants' homework until the 6th session (individual or group work of educators of different levels/disciplines)</p> <ul style="list-style-type: none"> Selection of concepts for PBL activities from the curriculum Concepts from other curriculum topics/subjects related to the selected concepts expected to be developed in the L&C plan 	2,5 hours Pedagogical Institute, Nicosia	In Person	24/2/2024 10:00-12:00 Repetition: 2/3/2024 10:00-13:00

		<ul style="list-style-type: none"> Key/main question to be explored (determined by the context/topic I have selected) 			
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3	Ideas for thematic frameworks for the development of STEAME Learning and Creativity Plans	<ol style="list-style-type: none"> Andreas Skotinos: Context Based Learning - Examples, Ideas Yiannis Lazarou: Steame examples: Ideas for integrating Languages, Arts and Entrepreneurship in a STEAME School in Primary and Secondary Education 	2 hours Online Session	ONLINE	6/3/2024 18:00-20:00
4	Tools for use in STEAME activities to achieve the objectives of a Learning and Creativity Plan	Christos Roushias: Use of Virtual and Augmented Reality (VR/AR) technologies in PBL STEAME activities	2 hours Pedagogical Institute, Nicosia	In Person	20/3/2024 16:00-18:00
5	Communication products in a STEAME Learning and Creativity Plan	Yiannis Lazarou: Design of a theatre script by students - structural elements and principles of script development, other communicative elements produced in PBL STEAME projects	2 hours Online Session	ONLINE	11/4/2024 17:00-19:00
6	STEAME Learning and Creativity Plan Design	<p>Eleni Papageorgiou & Kyriacos Mattheou: Discussion of the participants' ideas (from homework) - Definition of the structural elements of the participants' STEAME Learning and Creativity Plan (individual/group work)</p> <ul style="list-style-type: none"> Definition of the main question to be explored with reference to the chosen thematic framework Definition of individual objectives for the achievement of concepts and skills Basic principles for developing activities - Link to the objectives to be achieved Selection of appropriate tools/technologies and their effective integration 	3 hours Pedagogical Institute, Nicosia	In Person	27/4/2024 10:00-13:00

Number of Sessions	Session Topic	Presenter/Presenters	Duration/Venue	Type of session	Date
7	Design and evaluation of the STEAME Learning and Creativity Plan – Educators’ reflection on their own Learning and Creativity Plans	Eleni Papageorgiou & Giorgos Tsalakos: Elements and rubrics for evaluating PBL activities and L&C Plans <ul style="list-style-type: none"> • Use of evaluation tools by the participants for reflection on the Learning and Creativity Drafts/Plans they have developed • Improvement of Educators' Learning and Creativity Plans based on reflection Participants' homework until the 8th session (individual or group work of educators of different disciplines) Completion of an L&C Plan	2,5 hours Pedagogical Institute, Nicosia	In Person	25/5/2024 10:00-13:00
8	Presentation of Educators’ work – Discussion	Gregory Makrides, Andreas Skotinos, Eleni Papageorgiou, Yiannis Lazarou, Kyriacos Mattheou, Giorgos Tsalakos: Presentation of Educators' Learning and Creativity Plans - Discussion	3 hours Pedagogical Institute, Nicosia	In Person	15/6/2024 10:00-13:00
9	Hands-on Implementation of Learning & Creativity Plans	Groups of 3 Teachers coming from different disciplines work in groups to prepare a L&C Plan , which is then implemented with a set of student groups during the Summer Camp if the Cyprus Mathematical Society in July 2024. The implementation is scheduled for two sets of 3 hours each with a day gap so student groups work in between on their project.	Two sets of 3 hours, total 6 hours implementation	In Person	Between 1-20 July 2024, Agros, Cyprus
10	On-going Evaluation	Expected completion and award of certification in September 2024			