

Pancyprian School Contest CARES: "Sky: A Neverending Exploration" in Collaboration with the European Space Agency (ESA)

Directors of Public and Private
Secondary General, Technical, and Vocational Education Schools,

Announcing the organization of the Pan-Cypriot Competition '**Sky: A Neverending Exploration,**' held in collaboration with the **European Space Agency (ESA)** and supported by the **CARES** Program. The competition aims to inspire students in Cyprus to explore space in their own unique ways. The projects of the 15 winners, across 5 different categories, will be showcased at a special event, where the awards will be presented

Regarding the CARES Program::

The competition is being implemented through the **CARES consortium (CY_AD_02 CYPRUS AWARENESS RAISING AND EDUCATION STUDY)**, led by '**1010 COSMOS**' as the Main Contractor, with the support of '**INTERSTELLAR INSTITUTE**' and '**ADELVE Research, Innovation, Consulting & Trade.**' The framework is supported by the '**Department of Electronic Communications**' of the **Deputy Ministry of Research, Innovation, and Digital Policy**, bringing together a team of leading Cypriot experts, internationally recognized astrophysicists, and the support of the country's significant astronomical infrastructures with modern technologies, such as the Troodos Observatory, the Cyprus Planetarium, the Amiantos and Arodes Astroparks, as well as the Scientific Park of the Idalion High School.

Purpose of the Competition:

The competition aims to guide students in satisfying their curiosity, creativity, and innovation, encouraging them to make use of openly available tools, such as the internet, and to recognize the accessibility of knowledge. Through modern technologies and astronomical data, it promotes the understanding of science as an immediately accessible and exciting field of exploration for everyone.

Through their free individual participation, students will have the opportunity to cultivate their scientific thinking and imagination.

Competition Start Date: February 3, 2025

Competition End Date: April 30, 2025

Award Ceremonies: May 10, 2025

Inspiration Material: <https://www.cosmos.cy/esa#sky>

Competition Passport (to accompany each submitted project):

<https://www.cosmos.cy/esa#sky>

Competition Categories and Guidelines by Educational Level

Students can participate for free in one or more categories, depending on their educational level. Below are the categories and the evaluation methods for the respective educational level.

The following link contains suggested interactive tools and software that can be used as a starting point and source of inspiration for all students, ensuring the objectivity and impartiality of the process: <https://www.cosmos.cy/esa>

Γ. High School - Lyceum

Γ1. App Development

- **Description:** Design of an application for the use and utilization of astronomical data.
- **Evaluation Criteria:**

Criterion	Percentage	Explanation
Originality and Innovation	40%	The evaluation focuses on the uniqueness of the application idea and the approach that brings something useful to the field of processing astronomical data. The application must offer innovative features.
Ease of Use	30%	Clear and logical structure, user-friendly navigation, intuitive interaction.
Technical Quality and Implementation	30%	The suitability of the application for mobile devices, computers, and tablets must be clarified. Valid databases should be used. Efficient use of resources (memory). A User Guide and Troubleshooting section should be included.

Submission Method: via e-mail: For Web apps, submit the link; for Mobile apps, submit in APK format. Email: connect@cosmos.cy

Γ2. Poster (91.4cm x 121.9cm)

- **Description:** A scientific poster with a broader philosophical approach, incorporating an artistic and open-themed perspective related to the competition's subject.
- **Evaluation Criteria:**

Criterion	Percentage	Explanation
Technical	20%	Dimensions: 91.4cm x 121.9cm board. Images: printed or hand-drawn.
Visual Aesthetics	20%	
Creativity in Data Presentation	30%	Structure and organization of content to enhance the understanding of scientific concepts. Innovation in materials and tools used for presenting scientific information.
Communication Message	30%	

Submission Method: By mail to: 64B Tassos Mitsopoulos, 6028, Larnaca, Cyprus.

Γ3. Drawing (91.4cm x 121.9cm)

- **Description:** A drawing inspired by real images or events (e.g., a specific satellite, an exoplanet, a landing scene, etc.), creatively expanded based on each teenager's imagination.
- **Evaluation Criteria:**

Criterion	Percentage	Explanation
Technical	20%	Dimensions: 91.4cm x 121.9cm board. Materials: all allowed.
Quality and Accuracy of Drawing	30%	- Correct proportions: The dimensions and proportions of the drawing elements should closely reflect reality. - Scientific accuracy: If the drawing includes references to real objects or phenomena, they should be depicted based on scientific facts (e.g., the number of Saturn's rings, the structure of a space rover).

Creativity and Imagination	20%	
Artistic Skills	30%	

Submission Method: By mail to: 64B Tassos Mitsopoulos, 6028, Larnaca, Cyprus.

F4. Short Educational Video

- **Description:** Creation of a documentary with an open theme based on the competition’s subject.
- **Evaluation Criteria:**

Criterion	Percentage	Explanation
Technical	20%	Resolution: 1920x1080px, Duration: 3.5 – 4 minutes.
Clarity and Quality of Content	35%	Includes content organization, use of clear language or presentation, and consistent development of the idea or theme without unnecessary ambiguities or omissions.
Creativity and Originality	35%	The ability to present new and imaginative ideas, moving beyond conventional approaches. Originality refers to the authenticity of the content or perspective, while creativity is reflected in the innovative way the theme is developed or presented.
Technical Quality and Editing	10%	High-quality visuals and sound, including stable shots, adequate lighting, and clear narration or dialogue. The video should have a structured flow with proper use of basic editing tools (e.g., cuts, simple transitions, subtitles, or music).

- **Submission Method:** In .mp4 format via e-mail. Email: connect@cosmos.cy

F5. Musical Composition from Astronomical Data

- **Description:** A musical composition interpreting astronomical data, emphasizing the drama and complexity of the universe while showcasing originality through various musical genres.
- **Evaluation Criteria:**

Criterion	Percentage	Explanation
Technical	10%	Duration: 2.5–4 minutes.
Creative Integration of Astronomical Data	30%	Use of real astronomical data in the composition in a creative and comprehensible way.
Variety and Originality in Musical Styles	15%	Innovative use of different musical genres to enhance the composition.
Composition and Structure	20%	Well-organized musical structure that enhances the dramatic effect.
Technical Execution and Sound Quality	15%	Clear sound, proper performance, and high-quality audio editing.
Aesthetic and Emotional Expression	10%	Enhancing emotional connection with the audience through music.

Submission Method: via e-mail: in .mp3 or .mp4 format with the score submitted in .pdf format. E-mail: connect@cosmos.cy

