



Cyprus Mathematical Society

ΣΥΝΕΡΓΑΣΙΑ



Competition LIFE - IDEA – INNOVATION Year 2027

Preparation and Submission of a text of scientific discourse

Framework - Goals

The Cyprus Mathematical Society (CYMS) in collaboration with the Bank of Cyprus, in the context of strengthening its social contribution and the general pursuit of the development of the future citizens of Cyprus with competencies in creativity, innovation and communication, organizes a competition to formulate ideas and proposals on problems of everyday life through the utilization and use of the Sciences, Technology, Mathematics, Art and Economics. The Competition is also supported by THALES Foundation.

The object of the Competition is to identify a problem of everyday life and to present an innovative proposal / suggestion for dealing with it. Addressing the problem is expected to be done with the utilization / support of views from fields of the Sciences, Technology, Engineering, Mathematics, Art and Economics (STEAME). Students from 5th grade of Elementary School up to 3rd grade of the Lyceum can take part in the Competition.

Objective – Content of the Competition

The objective of the Competition will be **the production/authoring of a text of scientific discourse** that will present a problem of everyday life and will formulate a proposal / suggestion for its solution. This proposal should be characterized by innovation and substantiated / supported by reference to STEAME disciplines.

The text to be prepared should be backed with data that will ensure the feasibility of the proposal, with reference to means and materials that do not require large financial expenditures/expenses.

Terms and Regulations

1. The Competition LIFE – IDEA - INNOVATION aims at the preparation of a text of a scientific discourse with objective and content as mentioned above. The text will have a maximum length of **a thousand (1000) words** and can be enriched, **to a limited extent**, with photographs, blueprints and / or graphs only where the verbal expression cannot clearly express the author's messages and ideas.
2. Students from the 5th grade of Elementary school up to the 3rd grade of Lyceum, of the Public and Private Schools of Cyprus are entitled to participate in the Competition.
3. The assessment of the participants may be carried out separately for ~~in~~-different age groups, depending on the number of entries.
4. Each text must be authored by only **one student**.
5. The deadline for submission of texts is **31st January 2027, until 12:00 noon**.
6. The text should cover aspects of the rationale described above. It is understood that during the presentation, all the rules related to respecting the work of other authors should be followed and there will not be copying or plagiarism of the work of others. In case the opinions or positions of other people or experts or studies are invoked, a clear reference should be made to the specific person and their work.
7. Texts containing thoughts or suggestions from other individuals or groups without reference to them will be rejected. All texts will be checked electronically for plagiarism.
8. The works to be prepared should be sent by email to cms@cms.org.cy attached in both MS WORD format and in PDF format. In the subject of the email should read **"Competition LIFE-IDEA-INNOVATION for the year 2027"**.
At the bottom of the page, after the end of the text, the student's details should be written as follows:

Name and surname:

Student's Identity Card Number:

Student's Date of Birth:

Guardian's Name:

Name of School and Class in which the student attends:

Student's and guardian's Contact Telephone Number:

Postal Address for Communication:

Student's communication email address:

Guardian's communication email address:

Student's signature:

Guardian's Signature:

Date:

By submitting your work for the competition, publication rights are transferred to Cyprus Mathematical Society (with the appropriate reference to the author) and the personal data regulation of CY.M.S is approved on your behalf. The latter can be located on the website www.cms.org.cy.

All submitted emails will receive a response, confirming the receipt of the email within 48 hours. Those who do not receive confirmation should contact 22378101.

9. The text to be sent must **not exceed 1000 words** in length and must be legible and well argued. The text can be submitted in either Greek or English.
10. The title of the text should clearly mention the problem of everyday life for which the text has been written.
11. In **Phase 1**, the works will be evaluated by a group of evaluators appointed by CY.M.S. based on the following criteria:
 - (a) **Clarity of Content**: Accuracy, clarity and direct correlation with the objectives set for the competition
 - (b) **Language**: correct grammatical and syntactic use of the language which can be either Greek or English.
 - (c) **Structure and Organization** (It should at least include: Preface, Problem Formulation, Formulation of the innovative idea, Suggestions for solution, Positive and negative consequences and effects, Suggestions for practical applications, etc.)
 - (d) **Argumentation and Persuasiveness** both for the problem and for the suggested idea for solution
 - (e) **Documentation** of the proposals by utilizing acceptable insights from Sciences, Technology, Mathematics, Arts and Economics
 - (f) **Innovation** in proposals / suggestions
 - (g) Reference to probable **financial requirements** for the implementation of proposals / suggestions

This part of the competition **will account for the 40% of the final score**.

12. In **Phase 2**, the authors of the best texts of scientific discourse that will be distinguished, will be invited to present their proposals and their views and then answer oral questions the evaluators (who will come from various scientific fields). While presenting their views, any digital or other educational/ supervisory means of presentation will be allowed (e.g. PowerPoint).
13. According to Article 3 and taking into account the numbers of entries, the evaluation of proposals can be processed at three levels (considering that for each level to be evaluated there will be at least 10 entries) the following:
 - (a) **Elementary Level** (for Grades 5-6 of the Elementary School)
 - (b) **Gymnasium Level** (for grades 7-9 of Gymnasium)
 - (c) **Lyceum Level** (for grades 10-12 of Lyceum)

If the numbers of entries are smaller, there will be de facto consolidations.

When Phase 2 is concluded, the two scores from Phases 1 and 2 will be added up and, the following prizes will be awarded for each level that will be formed:

- (a) **1st Prize**: Diploma of Success and Tablet
- (b) **2nd Prize**: Diploma of Success
- (c) **3rd Prize**: Diploma of success

Examples of general titles of everyday problems

1. Student Safety in School Premises
2. School Bullying and Cyberbullying
3. Safe and Responsible Use of Artificial Intelligence
4. Misinformation and Fake News on the Internet
5. Personal Data Protection and Digital Security
6. Excessive Use of Mobile Phones and Digital Devices
7. Road Safety and Safe Student Transportation Students
8. Illegal Parking and Pavement Accessibility
9. Energy Conservation at Home and School
10. Water Conservation and Responsible Water Use
11. Food Waste Reduction at Home and School
12. Recycling and Reduction of Plastic Waste
13. Addressing Excessive Heat in School Premises
14. Prevention and Early Response to Fires
15. Improving Indoor Air Quality
16. Accessibility of Public Spaces for Disabled People
17. Consumers Protection from Online Frauds
18. Sustainable Transportation and Reduction of Traffic Congestion
19. Reducing Everyday Living Costs Through Smart Solutions

The above topics are indicative. Students may choose any other problem related to everyday life or address a more specific aspect of the suggested topics, provided that their work presents an innovative and practically feasible solution, supported by the application of knowledge and tools from STEAME disciplines.