

What is Leo's Steamathon?

Leo's Steamathon is a 3-hour competition designed for students aged 7-12. Participants will be divided into three categories:

Future Thinkers: Philosophical STEAM

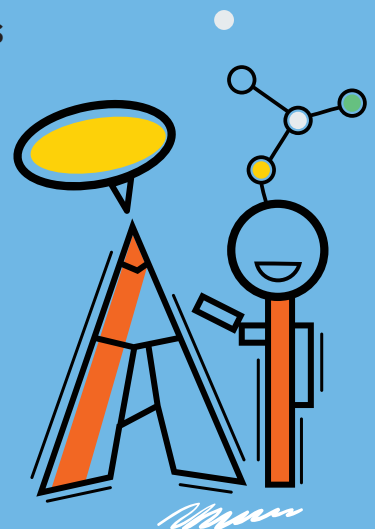
Students will examine the deeper implications of technology. They will analyze how technological advancements are rooted in human knowledge, choices, actions, and physical manifestations. Students will then apply these philosophical concepts to a STEAM project.

Potential STEAM project ideas:

Ethical AI: Develop a chatbot that can discuss ethical dilemmas related to AI.

Philosophical Robotics: Design a robot that can answer questions about the nature of consciousness or free will.

Sustainable Future: Create a sustainable city model that incorporates philosophical principles of harmony and balance.





Future Builders: Entrepreneurial STEAM

Students will develop novel STEAM-based products. They will conduct market research, design prototypes, and create a business plan. Students will be assessed on their ability to identify a market need, develop a viable product, and effectively communicate their ideas.

Potential STEAM project ideas:

Eco-friendly App: Develop a mobile app that helps users reduce their carbon footprint.

Smart Home Device: Design a device that automates household tasks and improves energy efficiency.

Educational Game: Create an educational game that teaches STEAM concepts in a fun and engaging way.

Future Inquirers: Research-Based STEAM

Students will explore a scientific topic in depth. They will formulate a research question, gather information from credible sources, analyze data, and present their findings in a clear and concise manner. Students will be evaluated on their research skills, critical thinking, and ability to communicate scientific information effectively.

Potential STEAM project ideas:

Climate Change Research: Analyze climate data to predict future trends.

Biomedical Engineering: Design a prosthetic device that improves the quality of life for amputees.

Astrophysics Research: Use astronomical data to study the formation of galaxies.

[Click here to register](#)



Future Inquirers: Research-Based STEAM

Students will explore a scientific topic in depth. They will formulate a research question, gather information from credible sources, analyze data, and present their findings in a clear and concise manner. Students will be evaluated on their research skills, critical thinking, and ability to communicate scientific information effectively.

Potential STEAM project ideas:

Climate Change Research: Analyze climate data to predict future trends.

Biomedical Engineering: Design a prosthetic device that improves the quality of life for amputees.

Astrophysics Research: Use astronomical data to study the formation of galaxies.

Competition Guidelines For Schools

- 1. Convener (Team Lead) Details:** Each school must assign a convener (an employee of the school) and provide their name, contact number, and email via this [Google Form](#) by **December 10**.
- 2. Communication:** All updates, rubrics, and competition details will be shared with the convener via email and WhatsApp.
- 3. Registration Fee:** The convener will submit the fee to Leo's Workshop and will receive a link to submit project proposals.
- 4. Proposal Review:** Industry experts will evaluate the proposals, and finalist teams will be announced by **January 6, 2025**.

[Click here to register](#)



Competition Process

Competition Process

1. Research and prototyping will be conducted online and will result in the selection of five finalists per category.
2. Finalists will have the opportunity to book the Maker's Lab at LCE (LUMS Center for Entrepreneurship) to refine their prototypes.
3. Finalists will showcase their projects on the event day.

We're excited to collaborate and look forward to your students' innovative ideas!



[Click here to register](#)