



**Leo's
Workshop**

A Future School by TNS Beaconhouse



LUMS

Centre for
Entrepreneurship

ABOUT STEAMATHON

Steamathon is an exciting event where teams of 3 students aged 7-12 from different schools in Lahore come together to showcase their innovative projects. By blending Science, Technology, Engineering, Arts, and Mathematics, participants explore real-world problems and develop creative solutions through prototyping. Hands-on activities and challenges at Steamathon help students develop the essential skills needed to become the next generation of innovators and problem-solvers.

CATEGORIES

Future Thinkers: Philosophical STEAM

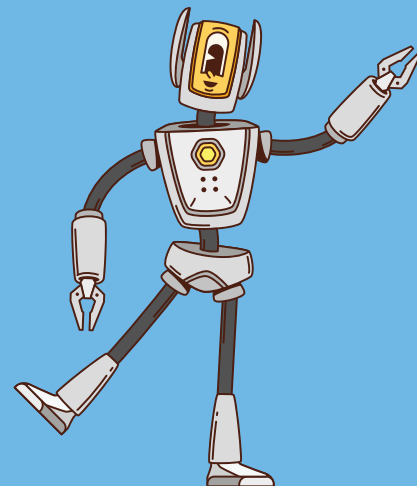
Students will examine the deeper implications of technology. They will analyze how technological advancements are rooted in human knowledge, choices, actions, and physical manifestations. Students will then apply these philosophical concepts to a STEAM project.

Potential philosophical 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.



[Click here to register](#)



Future Builders: Entrepreneurial STEAM

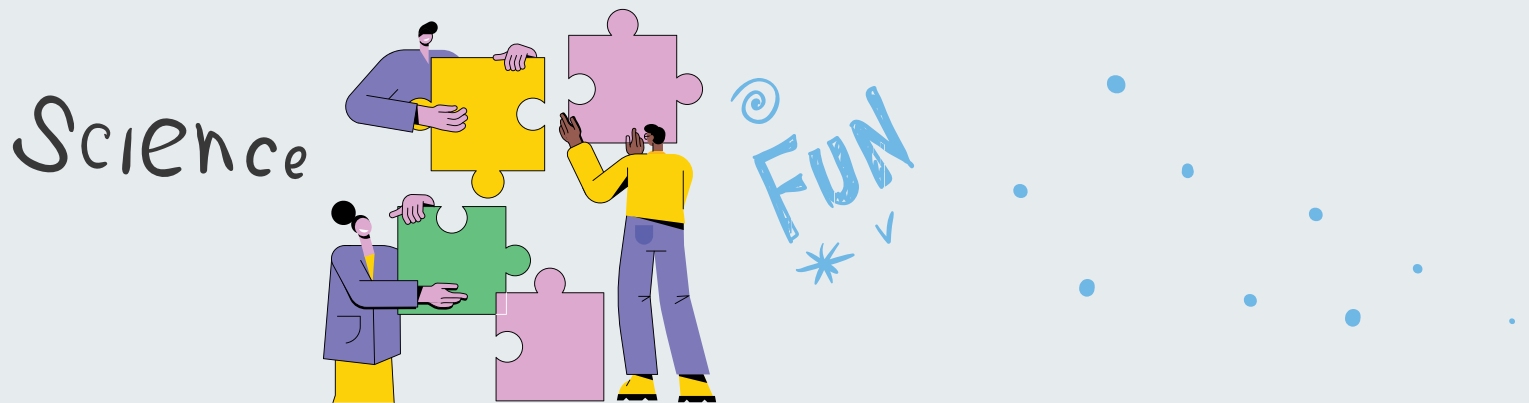
Students will develop novel STEAM-based products. They will conduct market research, design prototypes, and create a business plan. Students will be assessed on their ability to identify a market need, develop a viable product, and effectively communicate their ideas.

Potential entrepreneurial 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 research-based 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.





How to Participate:

- 1. Submit your project proposal:** Include a brief description of your project idea, the STEAM principles involved, and how it aligns with your chosen category through the registration link.
- 2. Deadline:** January 3, 2025
- 3. Selected participants will be notified** by January 6, 2025

Competition Details:

- **Date:** January 24, 2025
- **Location:** LUMS Centre for Entrepreneurship
- **Time:** 3:00 PM - 6:00 PM
- **Judging Criteria:** Creativity, research, design, and authenticity
- **Prizes:** Exciting awards for the winners in each category!
- **Participation Fee**
Early Bird: Rs. 2000 per team member (till 15th December)
Regular: Rs. 2500 per team member (till 24th December)

