



# LEAD EXTRACURRICULARS

SPRING 2024 SESSION



## Business Case Competition

**February 22 - April 11 (9 weeks) • Thursdays @ 8:00pm-10:00pm PT • Grades 9-12**

Learn the fundamentals of finance and how to perform strategic analysis of companies and industries. Explore business case studies and participate in a live, college-style case competition. Perfect for aspiring business, economics, accounting, and finance majors.

## Fundamentals of Code Development

**January 16 - March 8 (8 weeks) • Tuesdays @ 5:00pm-7:00pm PT • Grades 8-10**

Learn the basics of coding in a beginner-friendly, game development context. Learn the core concepts of Python in class lectures and put them to practice during hands-on labs. Excellent for beginners who want to pursue computer science in college.

## Intellectual Colloquium & Essay Workshop

**Spring 2024 Topic: "Media Literacy"**

**January 12 - February 16 (6 weeks) • Fridays @ 5:30pm-7:30pm PT • Grades 10-12**

Explore challenging, contemporary, and forward-looking issues, read thought-provoking texts recommended by renowned universities, build intellectual curiosity through productive discussion and debate, and craft compelling essays for writing competitions.

## Machine Learning Projects

**January 16 - March 8 (8 weeks) • Thursdays @ 5:00pm-7:00pm PT • Grades 10-11**

Explore the basic concepts of Machine Learning through hands-on labs and lectures. Discover tools and data sets used in the field, and finish the program with your very own Machine Learning project.

## Math Competition Club

**January 10 - March 30 (12 weeks) • Grades 6-12**

**Lower Division (6th-8th graders) • Saturdays • 10:00am-11:30am PT**

**Upper Division (9th-10th graders) • Wednesdays • 5:30pm-7:00pm PT**

Prepare for math competitions including the AMC 8/10/12, MOEMS, AIME, and USAMO. Gain the analytical experience and problem-solving skills to build great college applications and prepare for future STEM careers.

## Research Proposal Program

**February 12 - April 5 (8 weeks) • Grades 10-12 • Pre-Med - Dr. Clattenburg (Johns Hopkins PhD)**

**Lecture Phase: Feb 12-26 (3 weeks) • 1:1 Guidance: March 4-16 (2 weeks) • Writing Phase: March 18 - April 5 (3 weeks)**

**Lectures: Mondays @ 6:30pm-8:30pm PT (2/12-26)**

Develop a research proposal with a college professor. Showcase your intellectual curiosity and ability to take on rigorous projects. Strong reading and writing skills required.

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