

HS CALCULUS SUMMER CAMP

COURSE DESCRIPTION

All cohorts will meet Tuesday, Wednesday, and Thursday for 3 weeks, for 35 minutes per session.

Cohort Options:

- **Cohort A:**
 - June 13 - June 29th
 - 1:00pm PDT/4:00pm EDT
- **Cohort B:**
 - July 11 - July 27th
 - 8:30am PDT/11:30am EDT
- **Cohort C:**
 - August 1 - August 17th
 - 10:30am PDT/1:30pm EDT

Week 1: Derivatives

This program is designed to equip students with the foundational skills necessary to succeed in calculus. In Week 1, we will dive into the concept of derivatives, which is an essential part of calculus. Students will learn how to differentiate various functions and apply their knowledge to real-world problems.

Week 2: Analyzing Functions, Integrals

Week 2 will focus on analyzing functions and exploring integrals. Students will learn how to evaluate integrals and use the Fundamental Theorem of Calculus to solve problems. We will also study the behavior of functions and how to find their critical points.

Week 3: Differential Equations and Application of Integrals

In the final week of the camp, we will explore differential equations and the application of integrals. Students will learn how to solve differential equations and apply integrals to find solutions to real-world problems. We will also cover topics such as optimization and related rates.

