

# HS PRE-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
  - 10:30am PDT/1:30pm EDT
- **Cohort B:**
  - July 11 - July 27th
  - 1:00pm PDT/4:00pm EDT
- **Cohort C:**
  - August 1 - August 17th
  - 8:30am PDT/11:30am EDT

### Week 1: Functions (Polynomial and Rational Functions, Exponential and Logarithmic Functions)

In week one, we will dive into the fascinating world of functions, exploring polynomial and rational functions, as well as exponential and logarithmic functions. You'll learn how to graph these functions and use their properties to solve problems.

### Week 2: Trigonometry

Week two is all about trigonometry. We'll cover the basics of trigonometric functions, including sine, cosine, and tangent, and you'll learn how to use these functions to solve problems involving right triangles and circles.

### Week 3: Analytic Geometry, Limits, and Continuity

Finally, in week three, we'll delve into analytic geometry, limits, and continuity. You'll learn how to use the tools of calculus to analyze and graph functions, and we'll discuss the concept of limits and how they relate to continuity.

