



**Proposed  
New Class  
for 2024-25  
School Year**



**AP  
Precalculus**

# AP Precalculus

## Course Description

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

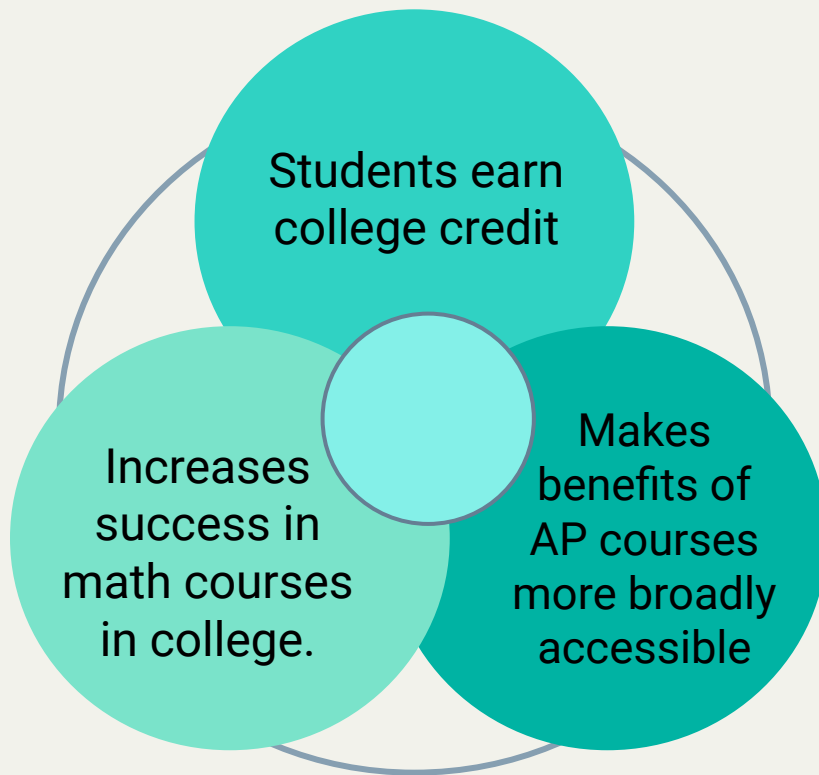
# AP Precalculus

**The Problem:** A third of college students end up spending time and money on remedial math courses that don't count toward their degrees because they lack sufficient math skills.

**The Solution:** Precalculus is one of the most powerful math courses in American high schools—taking it increases a student's likelihood of completing a bachelor's degree by 155%.



# Benefits of AP Precalculus



# Taking AP PreCalculus

A decorative horizontal band with a green background and a white geometric pattern of interconnected lines and dots, resembling a network or a stylized landscape.

## **College Credit leading to various majors/careers**

83 different majors  
require the course

## **Better Support in preparation for higher math**

140 hours with  
support of high school  
teacher

## **Bachelor's Degree completion**

Increase the  
likelihood of earning a  
bachelor's by 155%

# Student Testimonials

I'm okay at math, but it's not my favorite subject—I'm more passionate about art and history. Even though I'm not required to take a 4th year of math in high school, I'm going to take AP Precalculus because a qualifying AP Exam score can fulfill my college math requirement. This would leave me more time to focus on courses I'm more interested in and that align with my major.

*AIDEN (Not interested in STEM majors; has not taken an AP course; took Algebra 1 in 9th grade)*



# Student Testimonials

I'm pretty good at math but don't want to go into the traditional math and science fields or be something like an engineer or biologist. People and data are interesting to me, so I'm considering a career in psychology or sociology. I plan to take both AP Statistics and AP Precalculus my senior year because my school counselor suggested that they're great courses to take together.

*CARTER (Unsure about STEM majors; has not taken an AP course; took Algebra 1 before 9th grade)*



# Student Testimonials

I love science! My dream is to work at NASA, but I know I need to improve and sharpen my math skills to make it through calculus and any other STEM courses that will be part of my college major. I'm going to take AP Precalculus senior year, so I'll be more confident and prepared to tackle the higher-level math I'll face in advanced courses.

*SYDNEY (Interested in STEM majors; has taken AP course(s); took Algebra 1 in 9th grade)*





# Impact of AP Precalculus

TCHS already offers the course Precalculus Honors that covers much of the same material in the AP Precalculus course without the potential bonus of university credit. TCHS currently offers and will continue to offer Precalculus for students who do not wish to take the new AP option.



Thank you!

