



MALVERNE SCHOOL DISTRICT

Course Proposal

Name: Florence Balay

Department: STEM

Proposed Course Title	AP PRE-CALCULUS
Grade(s) offered	11 TH
Duration	1 YEAR – 1 PERIOD
Credits	1.1
Assessment	AP EXAM
Prerequisites	ALGEBRA 2 CC
<p style="text-align: center;">Course Description</p> <p>In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an everchanging world.</p> <p>AP Precalculus prepares students for other college-level mathematics and science courses. The 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.</p>	

Rationale

- Encourage more students to participate in four years of math classes in high school.
- Prepare more students for success in college math by providing a strong high school math foundation.
- Create a new college credit opportunity for students who don't start high school on an accelerated math track.
- Students who take AP Precalculus before their senior year will be much better prepared for success in AP Calculus and for any subsequent math they may need in college.

Estimated Costs

Staffing	0.2
Supplies	\$0
Equipment	\$0
Curriculum Development	Summer Institute: \$1500 (estimation) Curriculum Writing: \$600
Textbooks (list titles)	\$1500 - \$2000 Barron's Review book – AP Precalculus Larson – Precalculus AP
Total	\$3600 - \$4100