

### Course Description

Probability and Statistics is intended to help students continue on the path to post-secondary studies focused in the arts or humanities. You will examine big ideas in math including financial planning and probability, with an emphasis on problem solving and critical thinking skills. Specifically, we will cover topics such as Combinatorics, Probability, Regression and Financial Planning. At the end of the course, you will be able to solve a variety of real-world problems involving geometric explorations, graphical representations of polynomial logarithmic, exponential and sinusoidal functions, regression analysis, combinatorics, odds, probability, and financial planning.

This is a year-long course consisting of 9 units. Upon successful completion students will receive 1 credit towards high school graduation.

### Course Overview

Semester 1 Units:	Semester 2 Units:
1. 3D Objects and Rate of Change	5. Transformations
2. Probability	6. Combinatorics
3. Statistics	7. Probability
4. Finances	8. Regression Analysis
	9. Financial Planning

### Methods of Instruction

Online courses give students the opportunity to prepare for college through material and learning methods. Instruction comes through the Canvas course platform, one thirty-minute live class per week, and teacher grading and feedback on assessments. Strong executive function skills serve students well as they navigate the course. Forms of assessment include practice assignments, quizzes, and tests.

### Methods of Evaluation

Students will demonstrate mastery through the following formative and summative assessments:

- 40% Assignments
- 10% Participation
- 10% Projects
- 15% Tests
- 25% Final Assessment

### Additional Course Information

Detailed information regarding OC Online policies on proctored final exams, grading policy, late/missing assignment policy, weekly live classes, course expectations, and additional school policies can be found on the website.