

Course Name: Bridge to College Mathematics

Duration: 1 Semester Full Year

Grade Level: 9th 10th 11th 12th (check all that apply)

Are there any prerequisites for the course?

Completed Algebra 1 and Geometry
Recommended: Completed Algebra 2

WHAT this course is about:

The **Bridge to College Mathematics** course is designed to prepare students for entrance into non-calculus pathway introductory college level mathematics courses. The course curriculum emphasizes modeling with mathematics and the Standards for Mathematical Practice found within Washington K-12 Mathematics learning Standards, (the Common Core State Standards for mathematics).

WHY take this course:

For seniors who are successful in this course (B or better), the **Bridge to College Mathematics** course offers an opportunity to place into a college-level course when entering college directly after high school without having to take the entrance exam (either Statistics or Math 107, "Quantitative Math"). For Seniors who did not meet graduation requirement on the SBAC, passing this course will fulfill their math graduation requirement.

WHAT you'll learn:

Topics include building and interpreting functions (linear, quadratic & exponential), writing, solving and reasoning with equations and inequalities, and summarizing, representing, and interpreting data. The course is designed to focus on building conceptual understanding, reasoning and mathematical skills and provides students engaging mathematics that builds flexible thinking and a growth mindset.

WHAT you'll do:

Click or tap here to enter text.

WHERE this could take you:

This course is meant to prepare you for a secondary education experience. Passing this course with a B or better will allow you to avoid remedial math classes in college.

OPTIONAL Course Outline (“scope and sequence”, sequence chart, etc.)

Unit A: Building a Culture of Learning Using Data and Statistics

Unit B: Expressions

Unit C: Equations

Unit D: Proportional Reasoning

Unit E: Linear Functions

Unit F: Linear Systems of Equations

Unit G: Exponential Functions and an Intro to Logarithms

Unit H: Quadratic Functions