

# Math

<b>#Algebra 1</b>	<b>3 Trimesters</b>
<b>Grades</b>	<b>9, 10, 11, 12</b>
<b>Prerequisite</b>	<b>Teacher Recommendation</b>
<b>Credit Type</b>	<b>Math</b>
<p>This course deals with the usage of variable expressions and equations to solve problems. Patterns, variable expressions, equations, inequalities, graphs, systems of equations, and distance are major points of study of the course. This class is a prerequisite for Geometry and is a requirement for most post-high school education institutions. This class is a requirement for high school graduation as well as a prerequisite for all other high school math courses.</p>	

<b>#Intensified Algebra 1</b>	<b>3 Trimesters</b>
<b>Grades</b>	<b>9, 10, 11</b>
<b>Prerequisite</b>	<b>Not passed 8<sup>th</sup> grade math or Algebra 1. Teacher recommendation</b>
<b>Credit Type</b>	<b>Math</b>
<p>This course is designed for motivated students who want to become better math learners. This course is designed give students a solid foundation in 8<sup>th</sup> grade and Algebra 1 standards so they can be prepared for Geometry. Topics include problem solving strategies, introduction to functions and equations, rate of change, linear functions, statistical modeling, linear equations and inequalities, systems of linear equations, quadratic functions and equations, and other non-linear relationships.</p>	

<b>#Geometry</b>	<b>3 Trimesters</b>
<b>Grades</b>	<b>9, 10, 11, 12</b>
<b>Prerequisite</b>	<b>Algebra I</b>
<b>Credit Type</b>	<b>Math</b>
<p>This course is the study of the properties of lines, triangles, circles, and other plane figures. Included will be applications relating to areas, perimeter, circumferences, angle measures of various polygons and circles, and right triangle trigonometry. . This class is a requirement for high school graduation</p>	

<b>#Algebra II</b>	<b>2 Trimesters</b>
<b>Grades</b>	<b>10, 11, 12</b>
<b>Prerequisite</b>	<b>Geometry</b>
<b>Credit Type</b>	<b>Math</b>
<p>This course is an intermediate Algebra course following Geometry. It is a problem solving study of relations, functions, graphing, exponents, and logarithms. Algebra II (or its equivalent) is a requirement for high school graduation.</p>	

<b>#Pre-Calculus A</b>	<b>1 Trimester</b>
<b>Grades</b>	<b>11, 12</b>
<b>Prerequisite</b>	<b>Geometry and Algebra II</b>
<b>Credit Type</b>	<b>Math</b>
<p>This is an intensive course where students develop analytical, critical reasoning, problem solving, and communication skills in preparation for calculus. Linear, quadratic, polynomial, rational, root/radical/power, piecewise, exponential, and logarithm functions are the emphasis. This course along with Pre-calc B are prerequisite courses for both Calculus and AP Calculus. College credit is available for students who earn a qualifying score on the placement test.</p>	

<b>#Pre-Calculus B</b>	<b>1 Trimester</b>
<b>Grades</b>	<b>11, 12</b>
<b>Prerequisite</b>	<b>Geometry and Algebra II</b>
<b>Credit Type</b>	<b>Math</b>
<p>This is an intensive course where students develop analytical, critical reasoning, problem solving, and communication skills in preparation for calculus. Trigonometric functions are the emphasis. This course along with Pre-calc A are prerequisite courses for both Calculus and AP Calculus. College credit is available for students who earn a qualifying score on the placement test.</p>	

<b>#AP Calculus Level AB (Advanced Placement)</b>	<b>3 Trimesters</b>
<b>Grades</b>	<b>12</b>
<b>Prerequisite</b>	<b>Pre-Calculus A &amp; B</b>
<b>Credit Type</b>	<b>Math</b>
<p>This course prepares students for the Advanced Placement Calculus level AB test. The course covers limits and differential and integral calculus of a single variable. Students with a qualifying score on the AP Exam can earn college credit.</p>	

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<b>Financial Algebra</b>	<b>2 Trimesters</b>
<b>Grades</b>	<b>11, 12</b>
<b>Prerequisite</b>	<b>Foundations and Teacher Approval</b>
<b>Credit Type</b>	<b>Math or Vocational/Occupational Ed/CTE</b>
Financial Algebra introduces students to the application of algebraic thinking patterns and functions in a financial context. In this class we will explore topics such as the stock market, business models, banking services, consumer credit, automobile ownership, taxes, independent living, retirement, and preparing a budget. Students can take this class as a math or a vocational credit.	

<b>Bridge to College Math</b>	<b>2 Trimesters</b>
<b>Grades</b>	<b>12</b>
<b>Prerequisite</b>	<b>Score a 2 on the SBAC math, passed Algebra 1 and attempted Algebra 2</b>
<b>Credit Type</b>	<b>Math</b>
This course addresses key learning standards from Algebra I, statistics, geometry, and Algebra II, coupled with experiences that build flexible thinking and a growth mindset. Students in the course will be actively engaged in mathematical reasoning through real world tasks and classroom discussions focused on building conceptual understanding and mathematical skills. All of these components have been identified as important foundations for the workforce and college.	