

High School Mathematics Curriculum <i>Primary curriculum materials</i>	Semester 1					
	Quarter 1			Quarter 2		
	August	September	October	November	December	January
Algebra 1 <i>Desmos - Updates In Progress for 24-25</i>	Algebra Basics		Multi-Step Equations and Inequalities		Relations and Functions	
Geometry	Geometry Basics	Geometric Reasoning and Proof	Parallel and Perpendicular Lines	Geometric Transformations	Congruent Triangles	
Algebra 2 <i>Updates in Progress for 24-25</i>	Linear Functions		Quadratic Functions	Quadratic Equations	Polynomial Functions and Equations	
Algebra 2A <i>Math Medic</i>	Sequences and Linear Functions		Linear Systems		Function Families and Transformations	
Algebra 2B	Working with Functions			Exponential and Logarithmic Functions		
Precalculus <i>Calc Medic</i>	Polynomial and Rational Functions			Exponential and Logarithmic Functions		
AP Calculus <i>Calc Medic</i>	Limits	Differentiation	Advanced Differentiation (Composite, Implicit, and Inverse Functions)	Contextual Applications of Differentiation	Analytical Applications of Derivatives	Integration and Accumulation of Change
Probability and Statistics/ Math Seminar <i>LCS designed</i>	Community building and classroom norms	Intro to data, statistics, and data science		The shape and story of data	Calculating probabilities to make predictions	
Computer Programming <i>LCS designed</i>	Software-Aided Design/Modeling (Google Search, ChatGPT, Microsoft Word, Microsoft Excel)		Introduction to Computer Science	Programming Languages - Python		



The LCS mathematics curriculum aligns with the Common Core State Standards for Mathematics.

High School Mathematics Curriculum <i>Primary curriculum materials</i>	Semester 2					
	Quarter 3			Quarter 4		
	January	February	March	April	May	June
Algebra 1 <i>Desmos - Updates In Progress for 24-25</i>	Linear Equations		Systems of Linear Equations and Inequalities		Exponents and Exponential Functions	
Geometry	Quadrilaterals and Other Polygons	Similarity		Right Triangle Trigonometry	Circumference, Area, and Volume	
Algebra 2 <i>Updates in Progress for 24-25</i>	Rational Exponents and Radical Functions with Function Operations		Exponential and Logarithmic Functions	Sequences and Series	Rational Functions	
Algebra 2A <i>Math Medic</i>	Quadratic Functions and Equations			Polynomial Functions and Equations		
Algebra 2B	Rational Functions			Trigonometric Functions		
Precalculus <i>Calc Medic</i>	Trigonometric Functions			AP Exam Review	Introduction to Limits	
AP Calculus <i>Calc Medic</i>	Integration and Accumulation of Change	Differential Equations	Applications of Integration	AP Exam Review	<i>Juniors if applicable:</i> Independent Projects	
Probability and Statistics/ Math Seminar <i>LCS designed</i>	Mathematical modeling	Financial literacy - Budgeting		Financial literacy - Credit and debt, savings and investment, taxes and insurance		<i>Juniors if applicable:</i> Final projects on mathematics in their chosen field
Computer Programming <i>LCS designed</i>	Programming Languages - Python		Software Design and Development	Robotics Project		