High School Mathematics Curriculum *Primary curriculum materials*	Semester 1					
	Quarter 1			Quarter 2		
	August	September	October	November	December	January
Algebra 1B *All Things Algebra*	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	Linear Functions		Quadratic Functions	Solving Quadratic Equations	Polynomial Functions and Solving Equations	
Algebra 2A *Math Medic*	Intro to Sequences & Linear Functions Review		Linear Systems		Function Families and Transformations	
Algebra 2B	Working with Functions		Exponential and Logarithmic Functions		Series and Sequences	
Precalculus *Calc Medic*	Exploring Rates of Change	Polynomial Functions	Rational Functions	Constructing Functions	Exponential Functions	Logarithmic Functions
AP Calculus *Calc Medic*	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 *LCS designed*	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 *LCS designed*	Software-Aided Design in Excel Modeling		Introduction to Computer Science	Programming Languages - Python		

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

High School Mathematics Curriculum *Primary curriculum materials*	Semester 2					
	Quarter 3			Quarter 4		
	January	February	March	April	May	June
Algebra 1B *All Things Algebra*	Linear Equations		Systems of Linear Equations and Inequalities		Exponent Rules	
Geometry	Quadrilaterals and Other Polygons	Similarity		Right Triangle Trigonometry	Area and Volume of Two and Three Dimensional Figures	
Algebra 2	Rational Exponents and Radical Functions with Function Operations		Exponetial and Logarithmic Functions	Sequences and Series	Rational Functions	
Algebra 2A *Math Medic*	Quadratic Functions and Equations			Polynomial Functions and Equations		
Algebra 2B	Rational Functions			Trigonometric Functions		
Precalculus *Calc Medic*	Exploring Sine and Cosine Functions	Working with Trigonometric Functions	Polar Functions	AP Exam Review	Introduction to Limits	
AP Calculus *Calc Medic*	Integration and Accumulation of Change	Differential Equations	Applications of Integration	AP Exam Review	Expert Projects	*Juniors if applicable*: Independent Projects
Probability and Statistics/ Math Seminar *LCS designed*	Mathematical modeling	Financial literacy - budgeting		Financial literacy - Credit and debt, savings and investment, taxes and insurance		*Juniors if applicable*: Final projects on mathematics in their chosen field
Computer Programming *LCS designed*	Programming Languages - Python		Software Design and Development	Robotics Project		

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