

Mathematics

Year at a Glance

Algebra I, Geometry and Algebra II

Algebra I

Unit	Unit Topic	Days Allotted
Unit 1:	Representing relationships mathematically	9
Unit 2:	Understanding functions	13
Unit 3:	Linear functions	13
Unit 4:	Statistical models	18
Unit 5:	Linear equations and inequalities	9
Unit 6:	Systems of linear equations and inequalities	13
Unit 7:	Relationships that are not linear	13
Unit 8:	Exponential functions and equations	13
Unit 9:	Polynomial expressions and functions	13
Unit 10:	Quadratic functions	13
Unit 11:	Quadratic equations	13
		138 days

Geometry

Unit	Unit Topic	Days Allotted
Unit 1:	Geometric transformations	12
Unit 2:	Angles and lines	12
Unit 3:	Triangles	12
Unit 4:	Triangle congruence	18
Unit 5:	Similarity transformations	12
Unit 6:	Right triangle relationships and trigonometry	18
Unit 7:	Quadrilaterals	12
Unit 8:	Circles	12
Unit 9:	Geometric modeling in two dimensions	10
Unit 10:	Understanding and modeling with three--dimensional figures	18
Unit 11:	Introduction to Trigonometry	5
		140 days

Algebra II

Unit	Unit Topic	Days Allotted
Unit 1:	Arithmetic and geometric sequences	8
Unit 2:	Quadratic relations and equations	8
Unit 3:	Polynomial functions and equations	18
Unit 4:	Rational functions and equations	13
Unit 5:	Radical functions and equations	13
Unit 6:	Exponential and logarithmic functions and equations	13
Unit 7:	Probability	13
Unit 8:	The design of statistical studies	13
Unit 9:	Gathering data, making inferences, and justifying conclusions	13
Unit 10:	Trigonometric functions	13
Unit 11:	Choosing a function model	13
		138 days