

Secondary Mathematics Curriculum and Instruction Overview

Math 6

Marking Period	Unit	Learning Targets	Course Vocabulary	Materials
MP 1	1 - Area and Surface Area	Unit 1 - Learning Targets	Math 6 Course Glossary	Materials List
	2 - Introducing Ratios	Unit 2 - Learning Targets		
MP 2	3 - Unit Rates and Percentages	Unit 3 - Learning Targets		
	4 - Dividing Fractions	Unit 4 - Learning Targets		
MP 3	5 - Arithmetic in Base Ten	Unit 5 - Learning Targets		
	6 - Expressions and Equations	Unit 6 - Learning Targets		
MP 4	7 - Rational Numbers	Unit 7 - Learning Targets		
	8 - Data Sets and Distributions	Unit 8 - Learning Targets		

Math 7

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	1 - Scale Drawings	Unit 1 - Learning Targets	Math 7 Course Glossary	Materials List
	2 - Introducing Proportional Relationships	Unit 2 - Learning Targets		
MP 2	3 - Measuring Circles	Unit 3 - Learning Targets		
	4 - Proportional Relationships and Percentages	Unit 4 - Learning Targets		
MP 3	5 - Rational Number Arithmetic	Unit 5 - Learning Targets		
	6 - Expressions, Equations and Inequalities	Unit 6 - Learning Targets		
MP 4	7 - Angles, Triangles and Prisms	Unit 7 - Learning Targets		
	8 - Probability and Sampling	Unit 8 - Learning Targets		

Investigations into Mathematics

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	1 - Scale Drawings (Lessons 2, 3, 5 & 7)	(M7) Unit 1 - Learning Targets	Math 7 Course Glossary Math 8 Course Glossary	Math 7 Materials List Math 8 Materials List
	2 - Introducing Proportional Relationships	(M7) Unit 2 - Learning Targets		
	4 - Proportional Relationships and Percentages	(M7) Unit 4 - Learning Targets		
MP 2	5 - Rational Number Arithmetic	(M7) Unit 5 - Learning Targets		
	6 - Expressions, Equations and Inequalities	(M7) Unit 6 - Learning Targets		
	7 - Exponents and Scientific Notation	(M8) Unit 7 - Learning Targets		
MP 3	1 - Rigid Transformations and Congruence	(M8) Unit 1 - Learning Targets		
	2 - Introducing Slope (Lessons 10 - 13 only)	(M8) Unit 2 - Learning Targets		
	3 - Linear Relationships (Part A)	(M8) Unit 3 - Learning Targets		
MP 4	3 - Linear Relationships (Part B)	(M8) Unit 3 - Learning Targets		
	4 - Linear Equations and Linear Systems	(M8) Unit 4 - Learning Targets		
	5 - Functions and Volume	(M8) Unit 5 - Learning Targets		

Math 8

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	1 - Rigid Transformations and Congruence	Unit 1 - Learning Targets	Math 8 Course Glossary	Materials List
	2 - Dilations, Similarity and Introducing Slope	Unit 2 - Learning Targets		
MP 2	3 - Linear Relationships	Unit 3 - Learning Targets		
	4 - Linear Equations and Linear Systems	Unit 4 - Learning Targets		

MP 3	5 - Functions and Volume	Unit 5 - Learning Targets		
	6 - Associations in Data	Unit 6 - Learning Targets		
MP 4	7 - Exponents and Scientific Notation	Unit 7 - Learning Targets		

Algebra I

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	2 - Linear Equations, Inequalities and Systems	Unit 2 - Learning Targets	Algebra 1 Course Glossary	Materials List
	4 - Functions	Unit 4 - Learning Targets		
MP 2	4 - Functions			
	5 - Introduction to Exponential Functions	Unit 5 - Learning Targets		
MP 3	6 - Introduction to Quadratic Functions	Unit 6 - Learning Targets		
	7 - Quadratic Equations	Unit 7 - Learning Targets		
MP 4	7 - Quadratic Equations			
	1 - One-Variable Statistics	Unit 1 - Learning Targets		
	3 - Two-Variable Statistics	Unit 3 - Learning Targets		

*Please note that the Algebra I units will not follow the traditional sequential order. Instead it will follow 2, 4, 5, 6, 7, 1, 3.

Geometry

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	1 - Foundations of Euclidean Geometry	Unit 1 - Learning Targets	Geometry Course Glossary	Materials List
	1 - Rigid Transformations			

	1 - Congruence and Triangles			
MP 2	1 - Proofs and Applications			
	2 - Similarity		Unit 2 - Learning Targets	
MP 3	2 - Right Triangles and Trigonometry			
	3 - Three-Dimensional Measurement		Unit 3 - Learning Targets	
MP 4	4 - Coordinate Geometry		Unit 4 - Learning Targets	
	5 - Circles and Angles		Unit 5 - Learning Targets	
	5 - Arc Length and Area			

Algebra 2

Marking Period	Unit	Learning Targets	Key Vocabulary	Materials
MP 1	1 - Topic 1: Inverse Relationships	Unit 1 - Learning Targets	Algebra 2 Glossary Terms	Materials List
	1 - Topic 2: Radical Expressions and Equations			
	1 - Topic 3: Exponential and Logarithmic Expressions, Equations, & Functions			
MP 2	2 - Topic 1: Quadratic Expressions & Equations	Unit 2 - Learning Targets		
	2 - Topic 2: Polynomial Expressions & Equations			
MP 3	2 - Topic 3: Rational Expressions & Equations			
	3 - Topic 1: Modeling Circular Motion			
	3 - Topic 2: Graphing Trigonometric Functions			
	4 - Topic 1: The Modeling Cycle			
MP 4	4 - Topic 1: The Modeling Cycle (continued)	Unit 4 - Learning Targets		
	5 - Topic 1: Conditional Probability and the Rules of	Unit 5 - Learning Targets		

	Probability			
	6 - Topic 1: Normal Models	Unit 6 - Learning Targets		
	6 - Topic 2: Sample Surveys, Experiments, and Observational Studies			