



7th Grade Accelerated (1205050) 2023-2024 Scope and Sequence



Website



B1G-M



Exemplars



Pacing Calendar



FAST Resources



Supports



Feedback

	Unit	Benchmark	Instructional Guides	Assessment	
1	Exponents <i>(approx. 12 days)</i>	MA.7.NSO.1.1 - Laws of Exponents	Laws of Exponents, including Negative Exponents (2 days) Applying Laws of Exponents with Monomials (4 days) Laws of Exponents with Algebraic Expressions (3 days)	Unit 1a Blueprint Unit 1a Test	
		MA.8.NSO.1.3 - Laws of Exponents, including Negative Exponents			
		MA.8.AR.1.1 - Laws of Exponents/Equivalent Algebraic Expressions			
		MA.8.AR.1.2 - Properties of Operations			
		MA.8.AR.1.3 - Sum of Two Algebraic Expressions			
	Scientific Notation <i>(approx. 6 days)</i>	MA.8.NSO.1.4 - Expressing & Comparing Scientific Notation	Understanding Scientific Notation (2 days) Compute with Scientific Notation (2 days)	Unit 1b Blueprint Unit 1b Test	
		MA.8.NSO.1.5 - Operations with Scientific Notation			
		MA.8.NSO.1.6 - Real World Scientific Notation			
	Real Numbers <i>(approx. 15 days)</i>	MA.8.NSO.1.1 - Rational & Irrational Numbers	Perfect Square and Cube Roots (2 days) Solve equations involving Roots (1 days) Real Numbers (3 days) Estimate Irrational Numbers (2 days) Compare and Order Real Numbers (2 days)	Unit 2 Blueprint Unit 2 Test	
		MA.7.NSO.1.2 - Rewrite Rational Numbers in Equivalent Forms			
		MA.8.NSO.1.2 - Compare and Order Real Numbers			
		MA.8.NSO.1.7 - Order of Operations			
		MA.8.AR.2.3 - Solve equations involving Roots			
	2	Solve Multi-Step Equations & Inequalities <i>(approx. 18 days)</i>	MA.7.AR.2.2 - Write & Solve Two-step Equations	Solve, Use, and Write Two-Step Equations (5 days) Solve Multi-Step Equations (5 days) Determine the Number of Solutions (2 days) Solve Two-Step Inequalities (2 days)	Unit 3 Blueprint Unit 3 Test
			MA.8.AR.2.1 - Multi-Step Linear Equations		
MA.8.AR.2.2 - Multi-Step Linear Inequalities					
Linear Relationships and Slope <i>(approx. 17 days)</i>		MA.7.AR.3.3 - Conversions	Proportional Relationships & Conversions (2 days) Proportional Relationships (1 day) Linear Relationships (4 days) Slope (3 days) Slope-Intercept Form (4 days) Graph and Interpret Linear Relationships (2 days) Scale Drawings (1 day)	Unit 4 Blueprint Unit 4 Test	
		MA.7.AR.4.1 - Proportional Relationships			
		MA.8.AR.3.1 - Proportional Relationships			
		MA.7.AR.4.3 - Graph Proportional Relationships			
		MA.7.AR.4.4 - Multiple Forms of Proportional Relationships			
		MA.7.AR.4.5 - Real-world Proportional Relationships			
		MA.7.GR.1.5 - Scale Drawings			
		MA.7.AR.4.2 - Constant of Proportionality			
		MA.8.AR.3.2 - Slope			
		MA.8.AR.3.3 - Write Slope-Intercept Form			
MA.8.AR.3.4 - Graph Linear Relationships					
MA.8.AR.3.5 - Determine & Interpret Slope-Intercept in Real World					
Functions <i>(approx. 13 days)</i>	MA.8.F.1.1 - Identify Functions, Domain, & Range	Relations and Functions (4 days) Determine Linear and Nonlinear Functions (2 days) Analyze Graphs of Functions (2 days)	Unit 5 Blueprint Unit 5 Test		
	MA.8.F.1.2 - Identify Linear Functions				
	MA.8.F.1.3 - Function Behavior				
3	Systems of Linear Equations <i>(approx. 13 days)</i>	MA.8.AR.4.1 - Ordered Pairs as Solutions to Systems	Understanding and Graphing Linear Systems (4 days) Using Systems of Equations to Solve Problems (4 days)	Unit 6 Blueprint Unit 6 Test	
		MA.8.AR.4.2 - One, No, or Infinitely Many Solutions			
		MA.8.AR.4.3 - Graph Systems of Equations			
	Angles, Triangles, & Pythagorean Theorem <i>(approx. 19 days)</i>	MA.8.GR.1.1 - Pythagorean Theorem	Special Angle Relationships (4 days) Angle Relationships in Two-Dimensional Figures (4 days) Triangle Inequality Theorem (2 days) Pythagorean Theorem (6 days)	Unit 7 Blueprint Unit 7 Test	
		MA.8.GR.1.2 - Pythagorean Theorem on Coordinate Grid			
		MA.8.GR.1.3 - Proving Triangles			
		MA.8.GR.1.4 - Supplementary/complementary/vertical/adjacent			



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4		MA.8.GR.1.5 - Triangle Sum Theorem		
		MA.8.GR.1.6 - Angle Sum of Regular Polygons		
	Congruent Transformations & Similarity <i>(approx. 14 days)</i>	MA.8.GR.2.1 - Rigid Transformations	Translations, Reflections, and Rotations (6 days) Congruence and Transformations (2 days) Dilations (3 days) Indirect Measurement (1 days)	Unit 8 Blueprint Unit 8 Test
		MA.8.GR.2.2 - Dilations		
		MA.8.GR.2.3 - Transformations on Coordinate Plane		
		MA.8.GR.2.4 - Similar Triangles		
	Bivariate Data <i>(approx. 10 days)</i>	MA.8.DP.1.1 - Construct Scatter Plot/Line Graph	Scatter Plots (3 days) Lines of Fit (3 days) Circle Graphs (2 days)	Unit 9 Blueprint Unit 9 Test
		MA.8.DP.1.2 - Scatter Plots of Association		
		MA.8.DP.1.3 - Line of Fit		
		MA.7.DP.1.4 - Circle Graphs		
		MA.7.DP.1.5 - Graphical Representation		
	Probability <i>(approx. 11 days)</i>	MA.8.DP.2.1 - Sample Space for Repeated Events	Repeated Experiments (5 days) Make Predictions (2 days)	Unit 10 Blueprint Unit 10 Test
		MA.8.DP.2.2 - Find Theoretical Probability		
		MA.8.DP.2.3 - Real-world Probability		
Circles & Cylinders <i>(approx. 14 days)</i>	MA.7.GR.1.3 - Proportions with Circumference & Diameter	Circumference & Area of Circles (3 days) Surface Area of Cylinders (2 days) Volume of Cylinders (2 days)	Unit 11 Blueprint Unit 11 Test	
	MA.7.GR.1.4 - Area of a Circle			
	MA.7.GR.2.1 - Surface Area of Cylinders			
	MA.7.GR.2.2 - Real-Word Surface Area of Cylinders			
	MA.7.GR.2.3 - Volume of Cylinders			

*Days are estimated and may be adjusted based on the release of the 2023-2024 state assessment calendar.