

**Y - SCOPE & SEQUENCE CHART: INTENDED UNITS OF STUDY, 2021-2022**  
**CONTENT AREA: Math - GRADE LEVEL: 6**

**NOTE: THERE WILL BE A PROJECT ASSOCIATED WITH EACH UNIT UNLESS TIME PROHIBITS**

UNIT	APPROXIMATE TIME FRAME	TEXT(S)/RESOURCES	TARGETED UNDERSTANDING (PURPOSE)	CONTENT STANDARD(S) (CCSS for Mass.)
Numerical Expressions & Factors	<b>TRIMESTER 1</b>  <b>3 weeks: proposed</b>	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Write and evaluate expressions involving exponents.</li> <li>• Write and evaluate numerical expressions using the order of operations.</li> <li>• Write a number as a product of prime factors and represent the product using exponents.</li> <li>• Find the greatest common factor of two numbers.</li> <li>• Find the least common multiple of two numbers.</li> </ul>	6.NS.B.4, 6.EE.A.1
Fractions & Decimals	<b>TRIMESTER 1</b>  <b>3 weeks: proposed</b>	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Find products involving fractions and mixed numbers.</li> <li>• Compute quotients of fractions and solve problems involving division by fractions.</li> <li>• Compute quotients with mixed numbers and solve problems involving division with mixed numbers.</li> <li>• Add and subtract decimals and solve problems involving addition and subtraction of decimals.</li> <li>• Multiply decimals and solve problems involving multiplication of decimals.</li> <li>• Divide whole numbers and solve problems involving division of whole numbers.</li> <li>• Divide decimals and solve problems involving division of decimals.</li> </ul>	6.NS.A.1, 6.NS.B.2, 6.NS.B.3

UNIT	APPROXIMATE TIME FRAME	TEXT(S)/RESOURCES	TARGETED UNDERSTANDING (PURPOSE)	CONTENT STANDARD(S) ( <i>CCSS for Mass.</i> )
Ratios & Rates	<b>TRIMESTER 2</b> 4 ½ weeks: proposed	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Understand the concepts of ratios and equivalent ratios.</li> <li>• Use tape diagrams to model and solve ratio problems.</li> <li>• Use ratio tables to represent equivalent ratios and solve ratio problems.</li> <li>• Represent ratio relationships in a coordinate plane.</li> <li>• Understand the concept of a unit rate and solve rate problems.</li> <li>• Use ratio reasoning to convert units of measure.</li> </ul>	6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 6.RP.A.3a, 6.RP.A.3b, 6.RP.A.3d
Percents	<b>TRIMESTER 2</b> 3 weeks: proposed	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Write percents as fractions and fractions as percents.</li> <li>• Write percents as decimals and decimals as percents.</li> <li>• Compare and order fractions, decimals, and percents.</li> <li>• Find a percent of a quantity and solve percent problems.</li> </ul>	6.RP.A.3, 6.RP.A.3c, 6.NS.C.7a, 6.NS.C.7b
Algebraic Expressions & Properties	<b>TRIMESTER 2</b> 3 weeks: proposed	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Evaluate algebraic expressions given values of their variables.</li> <li>• Write algebraic expressions and solve problems involving algebraic expressions.</li> <li>• Identify equivalent expressions and apply properties to generate equivalent expressions.</li> <li>• Apply the Distributive Property to generate equivalent expressions.</li> <li>• Factor numerical and algebraic expressions.</li> </ul>	6.NS.B.4, 6.EE.A.2a, 6.EE.A.2b, 6.EE.A.2c, 6.EE.A.3, 6.EE.A.4

UNIT	APPROXIMATE TIME FRAME	TEXT(S)/RESOURCES	TARGETED UNDERSTANDING (PURPOSE)	CONTENT STANDARD(S) (CCSS for Mass.)
Equations	<b>TRIMESTER 2</b> <b>3 weeks: proposed</b>	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Write equations in one variable and write equations that represent real-life problems.</li> <li>• Write and solve equations using addition or subtraction.</li> <li>• Write and solve equations using multiplication or division.</li> <li>• Write equations in two variables and analyze the relationship between the two quantities.</li> </ul>	6.EE.B.5, 6.EE.B.6, 6.EE.B.7, 6.EE.C.9
Area, Surface Area & Volume	<b>TRIMESTER 3</b> <b>3 weeks: proposed</b>	Big Ideas! Math	<ul style="list-style-type: none"> <li>• Find areas and missing dimensions of parallelograms.</li> <li>• Find areas and missing dimensions of triangles, and find areas of composite figures.</li> <li>• Find areas of trapezoids, kites, and composite figures.</li> <li>• Describe and draw three dimensional figures.</li> <li>• Represent prisms using nets and use nets to find surface areas of prisms.</li> <li>• Represent pyramids using nets and use nets to find surface areas of pyramids.</li> <li>• Find volumes and missing dimensions of rectangular prisms.</li> </ul>	6.EE.A.2c, 6.G.A.1, 6.G.A.2, 6.G.A.4