

YEAR AT A GLANCE: E MATH 7 (updated Dec 2022)

	<u>UNIT 1</u>	<u>UNIT 2</u>	<u>UNIT 3</u>	<u>UNIT 4</u>	<u>UNIT 5</u>
Title	Essential Review	Operations with Signed Numbers	Proportional Relationships	Percent	Linear Expressions
Unit Length <i>(weeks taught)</i>	3 weeks	4 weeks	4 weeks	4 weeks	3 weeks
Enduring Understanding (The big ideas, the “why” we include these ideas)	Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.	Apply and extend previous understandings of operations with fractions to add, subtract, multiply and divide rational numbers.	Analyze proportional relationships and use them to solve real-world and mathematical problems.	Analyze proportional relationships and use them to solve real-world and mathematical problems involving percentages (i.e tax, tip, discounts, sale price, markups, interest).	Solve real-life and mathematical problems using numerical and algebraic equations.
Essential Questions (What do we want students to think about)	How will we use prior knowledge?	What happens when you add, subtract, multiply and divide signed numbers?	How can you show that two objects are proportional?	How can percent help you understand partial relationships?	How can you use numbers and symbols to represent mathematical ideas?

	<u>UNIT 6</u>	<u>UNIT 7</u>	<u>UNIT 8</u>	<u>UNIT 9</u>	<u>UNIT 10</u>
Title	Linear Equations and Inequalities	Statistics	Probability	Geometry of Angles and Triangles	Geometric Measurement
Unit Length <i>(weeks taught)</i>	4 weeks	3 weeks	3 weeks	3 weeks	3 weeks
Enduring Understanding (The big ideas, the “why” we include these ideas)	Solve real-life and mathematical problems using numerical and algebraic inequalities.	The use of sampling can be used to gain information about a population.	Investigate chance processes and develop, use, and evaluate probability models.	Solve real-life and mathematical problems involving angle measure, area.	Solve real-life and mathematical problems involving surface area, and volume.
Essential Questions (What do we want students to think about)	What does it mean to say two quantities are equal?	How do you use statistics to analyze data?	How do you use probability to make predictions?	How does Geometry help us describe real world objects?	How do measurements help you describe real world objects?