

		Year at a Glance 2019-2020 Math 7			Creation Date: June 3, 2019	
					Revision Date: August 5, 2019	
Unit Name	Unit 7-1 Rational Numbers 8/26 – 9/12 (13 days)	Unit 7-2 Equations and Inequalities 9/13 – 10/3 (15 days)	Unit 7-3 Linear Relationships 10/4 – 10/28 (15 days)	Unit 7-4 Ratios, Proportions, and Percents 10/29 – 11/16 (16 days)	Unit 7-5 Similar Figures 11/20 – 12/18 (16 days)	Unit 7-6 Probability 1/7 – 1/24 (13 days)
TEKS	New 7.2A, 7.3A, 7.3B	Spiraled 7.3B New 7.10A, 7.10B, 7.11A, 7.10C, 7.11B	Spiraled 7.11A New 7.7A	Spiraled 7.11A, 7.7A New 7.4B, 7.4A, 7.4C, 7.4E, 7.4D	Spiraled 7.4A, 7.4D New 7.5A, 7.5C, 7.5B	Spiraled 7.3B New 7.6E, 7.6A, 7.6I, 7.6D, 7.6B, 7.6C, 7.6H
Big Ideas	<ol style="list-style-type: none"> 1. Real world mathematical concepts involve rational numbers. 2. Operations with rational numbers are important for problem solving in real world applications. 	<ol style="list-style-type: none"> 1. Equations and inequalities can be used to model real world problems. 2. Solutions to equations and inequalities can be represented in multiple ways including tables graphs, and equations. 	<ol style="list-style-type: none"> 1. Real world linear relationships can be represented in multiple ways including tables, equations, and graphs. 2. All linear relationships can be described by an equation in the form of $y = mx + b$. 	<ol style="list-style-type: none"> 1. Unknown information about real world situations can be solved by finding rates and solving proportions. 2. Real world application of proportions involves application of percents and measurement conversions. 	<ol style="list-style-type: none"> 1. Writing and solving proportions can be applied to many real world situations involving geometry. 2. Proportionality in geometry is important for solving real world problems such as similarity and scaling. 	<ol style="list-style-type: none"> 1. Ratios will be used to express theoretical and experimental probabilities. 2. Proportional relationships will be used to make predictions and solve real world application problems.
Unit Name	Unit 7-7 Geometry Concepts 1/27 – 2/13 (14 days)	Unit 7-8 Volume and Surface Area 2/14 – 3/5 (14 days)	Unit 7-9 Data 3/6 – 4/3 (15 days)	Unit 7-10 Personal Financial Literacy 4/6 – 4/17 (9 days)	Unit 7-11 Course Review 4/20 – 5/8 (15 days)	Unit 7-12 Computations and Algebraic Relationships 5/14 – 5/27 (9 days)
TEKS	Spiraled 7.5B, 7.11A, 7.10A, 7.10C New 7.11C, 7.9B, 7.8C, 7.9C	Spiraled 7.9B, 7.9C New 7.8A, 7.9A, 7.8B, 7.9D	Spiraled 7.4D New 7.6G, 7.12A, 7.6F, 7.12B, 7.12C	Spiraled 7.4D New 7.13A, 7.13E, 7.13F, 7.13B, 7.13D, 7.13C	Spiraled Based on Local Data	Spiraled 7.7A, 7.4A, 7.10A, 7.4C, 7.10B, 7.11A, 7.10C, 7.11B New 8.4B, 8.4C, 8.5I, 8.5A, 8.5B, 8.5H, 8.5F
Big Ideas	<ol style="list-style-type: none"> 1. Geometric concepts such as area, perimeter, and circumference can be used to find solutions to real world application problems in geometry. 2. Formulas can be used to solve problems involving geometric figures. 	<ol style="list-style-type: none"> 1. Geometric concepts such as volume, lateral surface area, and total surface area can be used to find solutions to real world application problems in geometry. 2. Formulas are used to solve problems involving three-dimensional geometric figures. 	<ol style="list-style-type: none"> 1. Data in the real world can be represented in multiple ways including bar graphs, dot plots, box plots, and circle graphs. 2. Data from a random sample can be used to make inferences about a population and comparisons between populations. 	<ol style="list-style-type: none"> 1. Financial literacy is important to understand real world financial situations arising in everyday life, society, and the workplace. 2. Personal budgets and net worth statements are used to understand financial situations and prepare for the future. 	<ol style="list-style-type: none"> 1. Building skill fluency is important for success in math. 2. Developing mathematical reasoning and problem solving is important for mathematics. 3. Conceptual understanding of math concepts helps build a strong foundation for reasoning and problem solving in math. 	<ol style="list-style-type: none"> 1. The unit rate is interpreted as the rate of change or slope when graphing linear relationships. 2. Proportional and non-proportional relationships can be represented in multiple ways.