

Teachers: Mandy Fulton & Amy Rogers

Subject: Mathematics

Grade: Seventh

Week(s)	Core Content	Content Unit	Learning Objective
2019-2020 Week 1			<ul style="list-style-type: none"> Ice Breaker/ Getting to know you activities Syllabus Review Factors and Multiples
Week 2-4	7.NS.1b 7.NS.1c 7.NS.1d 7.NS.2a 7.NS.2b 7.NS.2c 7.NS.3	Integers	<ul style="list-style-type: none"> Find the absolute value of an integer. Find the sum of 2 or more integers. Find the difference of integers. Find the product of integers. Find the quotient of integers. Identify and plot points on a coordinate plane.
Week 5-9	7.NS.1a 7.NS.1b 7.NS.1c 7.NS.1d 7.NS.2a 7.NS.2b 7.NS.2c 7.NS.2d 7.NS.3	Rational Numbers	<ul style="list-style-type: none"> Write fractions as decimals Write decimals as fractions Add and subtract rational numbers Multiply and divide rational numbers
{FALL BREAK Oct 7 - Oct 11}			
	7.EE.1 7.EE.2	Expressions & Equations	<ul style="list-style-type: none"> Solve equations using addition or subtraction Solve equations using multiplication or division

Weeks 10-13	7.EE.3 7.EE.4a		<ul style="list-style-type: none"> • Simplify algebraic expressions • Solve 2-step equations
Weeks 14-16	7.EE.4b	Inequalities	<ul style="list-style-type: none"> • Graph inequalities • Solve inequalities
Weeks 17-19 {Christmas Break Dec. 20- Jan.5}	7.RP.1 7.RP.2a 7.RP.2b 7.RP.2c 7.RP.2d 7.RP.3	Ratios & Proportionality	<ul style="list-style-type: none"> • Determine rates from words, tables, or graphs • Determine the slope of a line • Compare ratios using proportions and the cross product property • Write and solve proportions • Convert units of measure between systems • Identify and use direct variation • Interpret and compare graphs of proportional relationships • Identify and use inverse variation
Weeks 20-24	7.RP.3 7.EE.2 7.EE.3	Percents	<ul style="list-style-type: none"> • Find percents using the percent equation • Use the percent of change formula to solve problems • Use percents to find discounts and markups. • Use the simple interest formula.
Weeks 25-27	7.G.1 7.G.2 7.G.5	Geometric figures	<ul style="list-style-type: none"> • Classify angles • Classify triangles according to angles and sides and find missing angles • Construct a triangle using angle measures or side lengths • Classify quadrilaterals and find missing angles • Use proportions to determine if two figures are similar. • Find unknown measures in similar figures • Use scale drawings to find missing measurements • * Create scale drawings
Weeks 28-31	7.G.3 7.G.4 7.G.6	Area, circumference, & volume	<ul style="list-style-type: none"> • Find the area of triangles and quadrilaterals • Find the circumference and area of a circle and semi-circle • Find the area of composite figures.

			<ul style="list-style-type: none"> Find the surface area and volume of a right rectangular prism or cube Describe the intersection of a plane and a solid
Spring Break April 6-10			
Weeks 32-33	7.SP.1 7.SP.2 7.SP.3 7.SP.4	Statistics	<ul style="list-style-type: none"> Construct and interpret stem-and-leaf plots Construct and interpret histograms Construct and interpret a circle graph Identify a reasonable sample for a population Construct a box-and-whisker plot Compare two populations Use populations to make predictions
Weeks 34-35	7.SP.5 7.SP.6 7.SP.7a 7.SP.7n 7.SP.8a 7.SP.8b 7.SP.8c	Probability	<ul style="list-style-type: none"> Identify favorable outcomes of an event Find the theoretical probability of an event Find the experimental probability of an event * Identify and find the probability of independent and dependent events
Week 36			KPREP Review