Key: Depth of Opportunity MAJOR CLUSTERS 70% SUPPORTING CLUSTERS 15-20% ADDITIONAL CLUSTERS 10-15%		Note: The focus maps are not required nor are they intended to serve as pacing guides, but rather to support discussion and collaboration amongst educators. The goal in discussing these maps is to build collective efficacy and ownership in the instructional process as resources are developed that support and align instruction. Note: Best used in conjuntion with Wiring Diagram			
Content Area	**Cluster**	**1st 9 WEEKS** **Proprortional Reasoning** **Algebra and Functions**	**2nd 9 WEEKS** **Number Systems** **Geometry** **Algebra and Functions**	**3rd 9 WEEKS** **Algebra and Functions** **Geometry**	**4th 9 WEEKS** **Algebra and Functions** **Statistics**
Proportional Reasoning 6.1-6.3	Develop an understanding of ratio concepts and use reasoning about ratios to solve problems.	[6.1] ***Added-types of ratio notation specified [6.2] [6.3] apply with whole numbers	[6.2] [6.3] apply with algebra and functions standards below – fractions [6.15].	[6.2] [6.3] apply with algebra and functions, and geometric shapes below – whole numbers and decimals [6.15] and geometric shapes below -decimals, percent, whole numbers, and fractions [6.27], [6.28]	[6.3] apply with statistical variability and data [6.22]
Number Systems and Operations 6.4-6.13	Use prior knowledge of mulitplicaton and division to divide fractions.		[6.4] apply with fractions	[6.4] apply with connection to decimals [6.6]	
	Compute multi-digit numbers fluently and determine common factors and multiples.	[6.5] apply with whole numbers	[6.5] apply with fractions [6.7] apply with whole numbers, fractions - supports generate equivalent algebraic expressions using the properties of operations [6.16] [6.8] *** Added - Prime Factorization *** Removed - Number maginatude restrictions for GCF and LCM	[6.5] apply with decimals [6.6] apply with decimals	[6.5] apply with fractions, decimals, rational #s [6.13] [6.6] apply with fractions, decimals, rational #s [6.13] [6.7] apply with fractions, decimals, rational #s [6.13]
	Apply knowledge of the number system to represent and use rational numbers in a variety of forms.		[6.9] apply with rational numbers (positive and negative) [6.13] [6.10] apply with rational numbers (positive and negative) [6.13]	[6.9] apply with rational numbers (positive and negative) [6.13] [6.10] apply with rational numbers (positive and negative) [6.13] [6.11] apply with rational numbers [6.13] ***Added- Identify quadrants based on signs of x and y. Identify (a,b) and (a,-b) as reflections across the x axis. Identify (a,b) and (-a,b) as reflections across the y axis. [6.12] apply with rational numbers [6.13] ***Removed-Interpret statements of inequality as statements about the relative position of two numbers [6.13] ***Removed-Distinguish comparisons of absolute value from statements about order.	[6.9] apply with statistical variability and data distribution [6.22] [6.10] apply with rational numbers (positive and negative) [6.13] [6.11] apply with rational numbers [6.13] [6.12] apply with rational numbers [6.13] ***Removed-Interpret statements of inequality as statements about the relative position of two numbers. [6.13] ***Removed-Distinguish comparisons of absolute value from statements about order.
	Apply knowledge of arithmetic to read, write, and evaluate algebraic expressions.	[6.14] apply with whole numbers ***Added-Compare expressions involving whole number exponents [6.15] apply with whole numbers ***Added-Evaluate expressions which may include absolute value	[6.14] apply with area, surface area, volume, equations below [6.26] ***Added-Compare expressions involving whole number exponents [6.15] apply with area, surface area, volume, equations below [6.26] ***Added-Evaluate expressions which may include absolute value [6.16] whole numbers, fractions [6.17] whole numbers, fractions ***Added-Justify the reasoning why two expressions are equivalent	[6.14] apply with area, surface area, volume, equations below [6.26], [6.27], [6.28] ***Added-Compare expressions involving whole number exponents [6.15] apply with area, surface area, volume, equations below [6.26], [6.27], [6.28] ***Added-Evaluate expressions which may include absolute value [6.16] apply with whole numbers, fractions, decimals [6.17] apply with whole numbers, fractions, decimals ***Added-Justify the reasoning why two expressions are equivalent	

Algebra and Functions 6.14-6.21	Use equations and inequalities to represent and solve real world or mathematical problems.		**[6.18]** apply with whole numbers, fractions **[6.19]** apply with whole numbers, fractions	**[6.18]** apply with area, surface area, volume, equations below [6.26], [6.27], [6.28]-whole numbers, fractions, decimals **[6.19]** apply with area, surface area, volume, equations below [6.26], [6.27], [6.28]-whole numbers, fractions, decimals **[6.20]** apply with area, surface area, volume, equations below [6.26], [6.27], [6.28]-whole numbers, fractions, decimals	
	Identify and analyze relationships between independent and dependent variables.		**[6.21]** apply with whole numbers, fractions	**[6.21]** apply with whole numbers, fractions, decimals	
Data Analysis, Statistics, and Probability 6.22-6.24	Use real-world and mathematical problems to analyze data and demonstrate an understanding of statistical variability and maeasures of center				**[6.22]** ***Added-Write examples and non-examples of statistical questions **[6.23]** ***Removed-Mean absolute deviations and describe striking deviations from overall pattern with reference to the context (moved to 7th grade) **[6.24]** ***Added-Describe the shape of data (including approximately symmetric or skewed) and unusual features (including gaps, peaks and clusters) ***Added-Stem and leaf plots
Geometry and Measurement 6.25-6.28	Graph polygons in the coordinate plane to solve real-world and mathematical problems.		**[6.25]** apply with Number Systems and Algebra and Functions content areas above ***Added-Determine the missing vertices of a rectangle and calculate area and perimeter on a coordinate plane **[6.26]** apply with Number Systems and Algebra and Functions content areas above		
	Solve real-world and mathematical problems to determine area, surface area, and volume.	**Area Model- Review from 5th Grade (Whole Numbers)**		**[6.27]** apply with Number Systems and Algebra and Functions content areas above **[6.28]** apply with Number Systems and Algebra and Functions content areas above	