

Key: Depth of Opportunity

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 conjunction with Wiring Diagram

MAJOR CLUSTERS 70%					
SUPPORTING CLUSTERS 15-20%					
ADDITIONAL CLUSTERS 10-15%					
Content Area	Cluster	1st 9 WEEKS Proportional Reasoning Number Systems	2nd 9 WEEKS Proportional Reasoning Geometry	3rd 9 WEEKS Algebra and Functions Statistics and Probability	4th 9 WEEKS Algebra and Functions Statistics and Probability
Proportional Reasoning 7.1-7.3	Analyze proportional relationships and use them to solve real-world and mathematical problems.	[7.1] [7.2] [7.3] *** Removed - Percent error not listed in examples.	[7.1] [7.2]	[7.1] [7.2] [7.3] *** Removed - Percent error not listed in examples.	[7.2] [7.3] *** Removed - Percent error not listed in examples.
Number Systems and Operations 7.4-7.5	Apply and extend prior knowledge of addition, subtraction, multiplication, and division to operations with rational numbers.	[7.4] ***Added - Extend strategies of multiplication to rational numbers to develop rules for multiplying signed numbers. Also, explain that division by zero is undefined. [7.5]	[7.4] ***Added - Extend strategies of multiplication to rational numbers to develop rules for multiplying signed numbers. Also, explain that division by zero is undefined. [7.5]	[7.4] ***Added - Extend strategies of multiplication to rational numbers to develop rules for multiplying signed numbers. Also, explain that division by zero is undefined. [7.5]	
Algebra and Functions 7.6-7.9	Create equivalent expressions using the properties of operations.			[7.6] [7.7] *** Added - Explain how properties are related.	[7.6] [7.7] *** Added - Explain how properties are related.
	Solve real-world and mathematical problems using numerical and algebraic expressions, equations, and inequalities.			[7.8] [7.9]	[7.8] [7.9]

Data Analysis, Statistics, and Probability 7.10-7.16	Make inferences about a population using random sampling.			[7.10] [7.11] Additional Cluster *** Added - Informally explain situations in which statistical bias may exist.	
	Make inferences from an informal comparison of two populations.				[7.12] *** Added - Mean Absolute Deviation is now introduced in 7th grade.
	Investigate probability models.			[7.13] [7.14] [7.15] [7.16]	[7.13] [7.14] [7.15] [7.16]
Geometry and Measurement 7.17-7.22	Construct and describe geometric figures, analyzing relationships among them.		[7.17]		[7.18] [7.19]
	Solve real-world and mathematical problems involving angle measure, circumference, area, surface area, and volume.		[7.20] ***Added- Explain the relationships among circumference, diameter, area, and radius of a circle. [7.21] [7.22]	[7.22]	