MATHEMATICS CURRICULUM MAP

6th Grade Mathematics

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Deerfield Public Schools District 109
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Grade 6 Math:Year at a Glance		
Resource: Big Ideas Math: Modeling Real Life - Grade 6 Advanced (ISBN: 9781642450637)		
Semester 1	**Standards**	**Big Ideas**
Numerical Expressions and Factors	6.EE.1 (Write and evaluate numerical expressions) 6.NS.4 (GCF, LCM, Distributive Property)	Chapter 1
Rational Numbers on the Number Line and Coordinate Plane	6.NS.5 (Positive & Negative numbers in real world contexts) 6.NS.6 (Rational numbers on number line and coordinate plane) 6.NS.7 (Ordering rational numbers and absolute value of rational numbers) 6.NS.8 (Solving real-world problems by graphing in coordinate plane) 6.G.3 (Draw polygons in coordinate plane)	Chapter 8
Operations with Rational Numbers	7.NS.1 (Add and subtract rational numbers) 7.NS.2 (Multiply and divide rational numbers) 7.NS.3 (Solve real-world problems with rational numbers)	Chapter A and B
Ratios & Rates	6.RP.1 (Ratios) 6.RP.3a (Ratios in tables/coordinate plane) 6.RP.2 (Unit rate) 6.RP.3b (Real world unit rate and constant speed problems) 6.RP.3d (Converting measurements) 6.EE.9 (Independent/dependent variables)	Chapter 3
Expressions	6.EE.2 (Write and evaluate variable expressions) 6.EE.3 (Generate equivalent expressions) 6.EE.4 (Identify equivalent expressions) context)	Chapter 5
Semester 2	**Standards**	**Big Ideas**
Expressions (continued)	6.EE.2 (Write and evaluate variable expressions) 6.EE.3 (Generate equivalent expressions) 6.EE.4 (Identify equivalent expressions)	Chapter 5

	context)	
Equations	6.EE.5 (True equations) 6.EE.6 (Write expression with variables when solving real-world problems) 6.EE.7 (Solve real-world problems using equations) 7.EE.4a (Clarification statement: problems will not exceed two steps)	Chapter 6
Inequalities	6.EE.5 (True inequalities) 6.EE.8 (Write and understand inequalities)	(8.7 and 8.8)
Percents and Percent Applications	6.RP.3 (Ratios and rates) 6.NS.7a (Compare rational numbers on a number line) 6.NS.7b (Order rational numbers in a real-world context) 6.RP.3c (Percent problems; include applications) 7.RP.3 (Solve multi-step ratio and percent problems) 7.EE.3 (Solve multi-step real-world problems and convert between forms in context)	Chapter 4 Chapter E
Geometry	6.G.1 (Area of polygons) 6.G.2 (Volume of prisms by packing and using the formula) 6.G.4 (Nets of 3-D figures and surface area)	Chapter 7
Statistics	6.SP.1 (Statistical questions) 6.SP.2 (Distributions have center, spread and overall shape) 6.SP.3 (Measures of center and variability) 6.SP.4 (Display data) 6.SP.5 (Summarize data)	Chapter 9, 10
Review for 7th Grade	7.NS and 7.EE.4a	Supplemental

Priority Standards: Not all content in a given grade is emphasized equally in the Standards. Some clusters require greater emphasis than others based on the depth of the ideas, the time that they take to master, and/or their importance to future mathematics or the demands of college and career readiness. More time in these areas is necessary. These standards are taught in-depth to full mastery.

Supporting vs. Additional: Supporting standards (highlighted in blue) are designed to strengthen the areas of major emphasis. Connections are clear and emphasize coherence between topics. Additional standards (highlighted in yellow) do not connect as tightly as supporting standards.