



MATHEMATICS CURRICULUM MAP

Grade 5 Advanced Math

August 2025

Deerfield Public Schools District 109

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Grade 5 Advanced Math: Year at a Glance

Resource: Big Ideas Math: Modeling Real Life – Grade 6 Advanced (ISBN: 9781642450637)

Semester 1	Standards	Big Ideas
Launch		
Unit 1 Numerical Expressions and Factors	6.EE.1, 6.NS.4 (Numerical Expressions and Factors)	Chapter 1
Unit 2 – Part 1 Fractions and Decimals	6.NS.1, 6.NS.3, 5.NF (Fractions and Decimals)	Lessons 2.1–2.5 from 6th grade and lessons 8.8, 10.3, 10.4, 10.5 from 5th Grade
Unit 2 – Part 2 Dividing Whole Numbers and Decimals	6.NS.2, 6.NS.3	Lessons 2.6 and 2.7 from 6th grade and lessons 7.3–7.7 from 5th grade
Unit 3 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)	Chapter 3
Unit 4 Percents	6.RP.3c (Percent problems; include applications)	Chapter 4
Unit 5 Expressions	6.EE.2 (Write and evaluate variable expressions) 6.EE.3 (Generate equivalent expressions) 6.EE.4 (Identify equivalent expressions)	Chapter 5
Semester 2	Standards	Big Ideas

Unit 6 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) 6.EE.9 (Independent/dependent variables)	Chapter 6
Unit 7 Inequalities	6.EE.5 (True inequalities) 6.EE.8 (Write and understand inequalities)	Chapter 8
Unit 8 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
Unit 9 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
Unit 10 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
Unit 11 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)	Chapters 9 and 10

	6.SP.5 (Summarize data)	
One and Two Step Equation with Integers (Optional Exploration Unit)	7.EE.4a	
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.		