



# MATHEMATICS CURRICULUM MAP

Grade 4

May 2024

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**Deerfield Public Schools District 109**  
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## Grade 4: Math Year at a Glance

Areas of Focus: In Grade 4, instructional time should focus on three critical areas: (1) developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends; (2) developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; (3) understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.

Resource: Big Ideas Math: Modeling Real Life Common Core – Grade 4 (ISBN: 9781642084955)

### Semester 1

**Chapter 1:** Place Value Concepts

4.NBT.1, 4.NBT.2, 4.NBT.3

**Chapter 2:** Add and Subtract Multi-Digit Numbers 4.NBT.3,

4.NBT.4, 4.OA.3

**Chapter 3:** Multiply by One-Digit Numbers 4.OA.1, 4.OA.2,

4.NBT.1, 4.NBT.3, 4.NBT.5, 4.OA.3

**Chapter 4:** Multiply by Two-Digit Numbers 4.NBT.5, 4.NBT.3,

4.OA.3

**Chapter 5:** Divide Multi-Digit Numbers by One-Digit Numbers

4.NBT.1, 4.NBT.6, 4.OA.3

**Chapter 6:** Factors, Multiples and Patterns 4.OA.4, 4.OA.5

**Chapter 7:** Understand Fraction Equivalence and Comparison

4.NF.1, 4.NF.2

### Semester 2

**Chapter 7:** Understand Fraction Equivalence and Comparison

4.NF.1, 4.NF.2

*Continued*

**Chapter 8:** Add and Subtract Fractions

4.NF.3, 4.NF.3a, 4.NF.3b, 4.NF.3c, 4.NF.3d

**Chapter 9:** Multiply Whole Numbers and Fractions 4.NF.4,

4.NF.4a, 4.NF.4b, 4.NF.4c

**Chapter 10:** Relate Fractions and Decimals 4.NF.6, 4.NF.5, 4.NF.7,

4.MD.2

**Chapter 12:** Use Perimeter and Area Formulas 4.MD.3, 4.OA.3

**Chapter 11:** Understand Measurement Equivalence 4.MD.1,

4.MD.2, 4.MD.4

**Chapter 13:** Identify and Draw Lines and Angles 4.G.1, 4.MD.5,

4.MD.6, 4.MD.7

**Chapter 14:** Identify Symmetry and Two-Dimensional Shapes

4.G.3, 4.G.2

**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.

