

**Elmont UFSD**  
**Grade 4 Math Curriculum Map**  
**Harcourt GO MATH! Correlated with the Common Core Standards**

**GO MATH! Critical Area 1: Place Value and Operations with Whole Numbers**

In this critical area, students will develop an understanding and fluency with multi-digit multiplication, and develop an understanding of dividing to find quotients involving multi-digit dividends. This critical area is denoted via the blue band within the text, and is represented within Chapters One through Five.

**Common Core Domains within this Critical Area**

- Numbers and Operations in Base Ten (NBT)
- Operations and Algebraic Thinking (OA)

**Chapters-at-a-Glance (September – Mid-November)**

- **Chapter One:** Place Value, Addition, and Subtraction to One Million  
**Pacing:** 11 Days (1 Intro; 8 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 46
  - **Essential Question:** How can you use place value to compare, add, subtract, and estimate with whole numbers?
  - **Standards:** 4.NBT.1, 4.NBT.2, 4.NBT.3, 4.NBT.4, 4. OA.3
  - **Mathematical Practices:** MP.2, MP.6
- **Chapter Two:** Multiply by 1-Digit Numbers  
**Pacing:** 15 Days (1 Intro; 12 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 48
  - **Essential Question:** What strategies can you use to multiply by 1-digit numbers?
  - **Standards:** 4. OA.1, 4. OA.2, 4. OA.3, 4.NBT.5, 4.NBT.1, 4.NBT.2, 4.NBT.3
  - **Mathematical Practices:** MP.1, MP.4
- **Chapter Three:** Multiply by 2-Digit Numbers  
**Pacing:** 10 Days (1 Intro; 7 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 50
  - **Essential Question:** What strategies can you use to multiply by 2-digit numbers?
  - **Standards:** 4. OA.3, 4.NBT.1, 4.NBT.3, 4.NBT.5
  - **Mathematical Practices:** MP.4, MP.8
- **Chapter Four:** Divide by 1-Digit Numbers  
**Pacing:** 15 Days (1 Intro; 12 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 52
  - **Essential Question:** How can you divide by 1-digit numbers?
  - **Standards:** 4. OA.3, 4.NBT.1, 4.NBT.6
  - **Mathematical Practices:** MP.2, MP.4

- **Chapter Five:** Factors, Multiples, and Patterns  
**Pacing:** 9 Days (1 Intro; 6 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 54
  - **Essential Question:** How can you find factors and multiples, and how can you generate and describe number patterns?
  - **Standards:** 4. OA.4, 4. OA.5
  - **Mathematical Practices:** MP.6, MP.7

## Assessments

- Chapter Pre-Assessment (Show What You Know)
- Chapter Tests (Form A) with Constructed Response Requirement

Dates for the following District Wide assessments will be determined and supplied by Elmont Road:

- GO MATH! Beginning-of-Year Assessment
- GO MATH! Middle-of-Year Assessment
- GO MATH! End-of-Year Assessment
- State Practice Tests (Grades 3-6)
- NWEA Online Assessment (Fall and Spring)

## Go Math Resources

- |  |  |
|--|--|
| • <a href="#">Animated Math Models</a>       | • <a href="#">Online Assessment System</a>       |
| • <a href="#">CARMEN SANDIEGO Activities</a> | • <a href="#">Professional Development Video</a> |
| • <a href="#">eStudent Edition</a>           | • <a href="#">Podcasts</a>                       |
| • Interactive Whiteboard Lessons             | • <a href="#">Projects (SE)</a>                  |
| • <a href="#">iTools</a>                     | • <a href="#">Projects (TE)</a>                  |
| • <a href="#">Mega Math</a>                  | • <a href="#">Real World Videos</a>              |
| • <a href="#">Multimedia Glossary</a>        |  |

## Additional Resources

- <http://engageny.org/>
- <http://www.ixl.com/>
- <http://illuminations.nctm.org/>

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**GO MATH! Critical Area 2: Fractions and Decimals**

In this critical area, students will develop an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers. This critical area is denoted via the green band within the text, and is represented within Chapters Six through Nine.

**Common Core Domains within this Critical Area**

- Numbers and Operations - Fractions (NF)
- Measurement and Data (MD)

**Chapters-at-a-Glance (Mid-November – Mid- March)**

- **Chapter Six:** Fraction Equivalence and Comparison  
**Pacing:** 11 Days (1 Intro; 8 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 56
  - **Essential Question:** What strategies can you use to compare fractions and write equivalent fractions?
  - **Standards:** 4.NF.1, 4.NF.2
  - **Mathematical Practices:** MP.4, MP.7
- **Chapter Seven:** Add and Subtract Fractions  
**Pacing:** 13 Days (1 Intro; 10 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 58
  - **Essential Question:** How can you add and subtract fractions that have the same denominator?
  - **Standards:** 4.NF.3, 4.NF.3.a, 4.NF.3.b, 4.NF.3.c, 4.NF.3.d
  - **Mathematical Practices:** MP.2, MP.4, MP.5
- **Chapter Eight:** Multiply Fractions by Whole Numbers  
**Pacing:** 8 Days (1 Intro; 5 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 60
  - **Essential Question:** How do you multiply fractions by whole numbers?
  - **Standards:** 4.NF.4, 4.NF.4.a, 4.NF.4.b, 4.NF.4.c
  - **Mathematical Practices:** MP.2, MP.7
- **Chapter Nine:** Relate Fractions and Decimals  
**Pacing:** 10 Days (1 Intro; 7 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 62
  - **Essential Question:** How can you record decimal notation for fractions, and compare decimal fractions?
  - **Standards:** 4.NF.5, 4.NF.6, 4.NF.7, 4.MD.2
  - **Mathematical Practices:** MP.7, MP.8

## Assessments

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- Chapter Tests (Form A) with Constructed Response Requirement

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- GO MATH! Beginning-of-Year Assessment
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**GO MATH! Critical Area 3: Geometry, Measurement, and Data**

In this critical area, students will develop an 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. This critical area is denoted via the purple band within the text, and is represented within Chapters Ten through Thirteen.

**Common Core Domains within this Critical Area**

- Operations and Algebraic Thinking (OA)
- Geometry (G)
- Measurement and Data (MD)

**Chapters-at-a-Glance (Mid-March – April)**

- **Chapter Ten:** Two-Dimensional Figures  
**Pacing:** 10 Days (1 Intro; 7 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 64
  - **Essential Question:** How can you draw and identify lines and angles, and how can you classify shapes?
  - **Standards:** 4. OA.5, 4.G.1, 4.G.2, 4.G.3
  - **Mathematical Practices:** MP.6, MP.7
- **Chapter Eleven:** Angles  
**Pacing:** 8 Days (1 Intro; 5 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 66
  - **Essential Question:** How can you measure angles and solve problems involving angle measures?
  - **Standards:** 4.MD.5, 4.MD.5.a, 4.MD.5.b, 4.MD.6, 4.MD.7
  - **Mathematical Practices:** MP.1, MP.5
- **Chapter Twelve:** Relative Sizes of Measurement Units  
**Pacing:** 14 Days (1 Intro; 11 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 68
  - **Essential Question:** How can you use relative sizes of measurements to solve problems and to generate measurement tables that show a relationship?
  - **Standards:** 4.MD.1, 4.MD.2, 4.MD.4
  - **Mathematical Practices:** MP.2, MP.4
- **Chapter Thirteen:** Algebra: Perimeter and Area  
**Pacing:** 8 Days (1 Intro; 5 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 70

- **Essential Question:** How can you use formulas for perimeter and area to solve problems?
- **Standards:** 4.MD.3
- **Mathematical Practices:** MP.1, MP.5, MP.7

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**GO MATH! Getting Ready for Grade 5**

In this End-of-Year Resource, students will continue to build on Grade 4 content and prepare for Grade 5 content. This area includes 3 Critical Review Projects and Twenty Lessons.

**Common Core Domains within the End-of-Year Resource**

- Operations and Algebraic Thinking (OA)
- Numbers and Operations in Base Ten (NBT)
- Numbers and Operations - Fractions (NF)
- Measurement and Data (MD)
- Geometry (G)

**End-of-Year -at-a-Glance (May – June)**

- **Project Review, Lessons 1-20, and Assessments:**  
**Pacing:** 25 Days (3 Review Projects; 20 Instructional; 2 Review & Assessment)
  - **Planning Guide Page:** 72
  - **Getting Ready Assessments:** Lessons 1-11; Lessons 12-20

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