

Grade 4 * Mathematics

Pacing	Essential Questions/Big Idea	Assessment and Activities	Materials/Resources	Standards
<p>Pacing: September- November</p>	<ul style="list-style-type: none"> • Ch. 1. How do you use place value to compare, add, subtract, and estimate with whole numbers? • Ch. 2. What strategies can you use to multiply by 1-digit numbers? • Ch. 3. What strategies can you use to multiply 2-digit numbers? • Ch. 4. How can you divide by digit numbers? <p>BIG IDEA/CRITICAL AREA- Operations & Algebraic Thinking; Number & Operations in Base Ten</p> <ul style="list-style-type: none"> • Ch. 1. Place Value, Addition, and Subtraction to One Million • Ch. 2. Multiply by Digit Numbers • Ch. 3. Multiply 2-Digit Number • Begin Ch.4. Divide by I-Digit Numbers 	<ul style="list-style-type: none"> • Pretests • Mid-chapter Checkpoint • Chapter Tests • Classroom Observation • Beginning of Year Benchmark 	<ul style="list-style-type: none"> • Content Manipulatives • Go Math Series • Smart board • Animated Math Models • I tools • Go Math Literature • Centers/Games 	NBT.1 NBT.2 NBT.3 NBT.4 NBT.5 NBT.6 0A.1 0A.2 0A.3
<p>Pacing: November- February</p>	<ul style="list-style-type: none"> • Finish Ch.4 Divide by 1-Digit Numbers • Ch.5. How can you find factors and multiples, and how can you generate and describe number patterns? • Ch.6. What strategies can you use to compare fractions and write equivalent fractions? • Ch.7. How do you add or subtract fractions that have the same denominator? • Ch.8. How do you multiply fractions by whole numbers? • Begin Ch.9. Relate Fractions and Decimals <p>BIG IDEA/CRITICAL AREA- Developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers.</p> <ul style="list-style-type: none"> • Ch.4. Divide by I-Digit Numbers • Ch.5. Factors, Multiples, and Patterns 	<ul style="list-style-type: none"> • Pretests • Mid-chapter Checkpoint • Benchmarks: Chapter Tests • Classroom Observation 	<ul style="list-style-type: none"> • Content Manipulatives • Go Math Series • Smart board • Animated Math Models • I tools • Go Math Literature • Centers/Games 	0A.4 0A.5 NF.1 NF.2 NF.3a NF.3b NF.3c NF.3d NF.4a NF.4b NF.4c NF.4c NF.5 NF.6 NF.7 MD.2

	<ul style="list-style-type: none"> • Ch.6. Fraction Equivalence and Comparison • Ch.7. Add and Subtract Fractions • Ch.8. Multiply Fractions by Whole Numbers • Ch.9. Relate fractions and decimals 			
<p>Pacing: February- June</p> <hr/>	<ul style="list-style-type: none"> • Complete Ch.9. Relate Fractions and Decimals • Ch.10. How can you draw and identify lines and angles, and how can you classify shapes? • Ch.11. How can you measure angles and solve problems involving angle measures? • Ch.12. How can you use relative sizes of measurements to solve problems and to generate measurement tables that show a relationship? • Ch.13. How can you use formulas for perimeter and area to solve problems? <p>BIG IDEA/CRITICAL AREA- Understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measurements, and symmetry</p> <ul style="list-style-type: none"> • Ch.10. Two-Dimensional Figures • Ch.11. Angles • Ch.12. Relative Sizes of Measurement Units • Ch.13. Algebra: Perimeter and Area Begin End of Year-Getting Ready for Grade 5 	<ul style="list-style-type: none"> • Pretests • Mid-chapter Checkpoint • Chapter Tests • Classroom Observation • EOY Benchmark 	<ul style="list-style-type: none"> • Content Manipulatives • Go Math Series • Smart board • Animated Math Models • I tools • Go Math Literature • Centers/Games 	<p>G.1 G.2 G.3 0A.5 MD.1 MD.2 MD.3 MD.4 MD.5a MD.5b MD.6 MD.7</p>
<p>21st Century/Interdisciplinary Themes</p> <ul style="list-style-type: none"> • Global Awareness • Financial, Business, & Entrepreneurial Literacy • Civic Literacy • Environmental Literacy • Health Literacy 		<p>21st Century Skills</p> <ul style="list-style-type: none"> • Creativity & Innovation • Communication & Collaboration • Media Literacy • Critical Thinking & Problem Solving • Information Literacy • Information, Communication, & Technology • Life & Career Skills 		

**Accommodations & Modifications:
Special Education, ELL, At Risk, Gifted**

- Allow oral responses
- Allow verbalization before writing
- Use audio materials when necessary
- Modify homework assignments
- Read tests aloud
- Provide math manipulatives as necessary
- Restate, reword, clarify directions
- Re-teach concepts using small groups
- Provide educational “breaks” as necessary
- Expanding time for free reading
- Chunking Content
- Calculator
- Use mnemonic devices
- Provide a cueing system
- Untimed and/or extended test taking time
- Shorten assignments to focus on mastery concept
- Leveled Reading Materials
- Acronyms
- Graphic Organizers
- Notes Provided
- Check agenda book for parent(s) communication
- Read directions aloud
- Assignment, Project, and Assessment Modification Based on Individual Student Needs
- Speech to Text/Text to Speech Features in Google Apps
- Technology assisted instruction
- Preferential seating utilized
- Redirect student(s) as necessary
- Student choice for project or approach to assignment
- Inquiry-Based Learning
- Genius Hour