Crest Memorial School Curriculum and Pacing Guide

Grade: 4th Grade

Subject: Mathematics

Adoption Date: 09/01/15

Revision Date: 4/10/22

	MP1	MP2	MP3	MP4
Pacing Guide	How can you use place value to compare, add, subtract, and estimate with whole numbers? (13 days) What strategies can you use to multiply by 1-digit numbers? (17 days) What strategies can you use to multiply by 2-digit numbers? (18 days)	How can you divide by 1-digit numbers? (18 days) How can you find factors and multiples, and how can you generate and describe number patterns? (11 days) What strategies can you use to compare fractions and write equivalent fractions? (13 days)	How do you add or subtract fractions that have the same denominator? (15 days) How do you multiply fractions by whole numbers? (10 days) How can you record decimal notation for fractions, and compare decimals and fractions? (13 days)	How can you draw and identify lines and angles, and how can you classify shapes? (12 days) How can you measure angles and solve problems involving angle measures? (10 days) How can you use relative sizes of measurements to solve problems and to generate measurement tables that show a relationship? (16 days) How can you use formulas for perimeter and area to solve problems? (10 days)
Instructional Materials	*Go Math - Houghton Mifflin Harcourt 2015 *Think Central	*Go Math - Houghton Mifflin Harcourt 2015 *Think Central	*Go Math - Houghton Mifflin Harcourt 2015 * Think Central	*Go Math - Houghton Mifflin Harcourt 2015 * Think Central

	*Manipulatives including but not limited to counters, base ten blocks and ten frames * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources	*Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources	* Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources	* Manipulatives including but not limited to counters, base ten blocks, and multiplication charts * Place Value Charts * Supplemental Handouts * Whiteboards * Concept Readers * Interactive Student Edition * Grab-n-Go Centers * Math on the Spot Videos * Interactive Smartboard Activities * Calculators * Multiplication Masters Program * Brain Pop / Discovery Education Websites * Teacher Created Resources
Standards	4.NBT.A.1 4.NBT.A.2 4.NBT.A.3 4.NBT.B.4 4.NBT.B.5 4.OA.A.1 4.OA.A.2 4.OA.A.3	4.OA.A.3 4.OA.B.4 4.OA.C.5 4.NBT.B.6 4.NF.A.1 4.NF.A.2	4.NF.B.3a - 3d 4.NF.B.4a - 4c 4.NF.C.5 4.NF.C.6 4.NF.C.7 4.MD.A.2	4.OA.C.5 4.G.A.1 4.G.A.2 4.G.A.3 4.MD.A.1 4.MD.A.2 4.MD.A.3 4.MD.B.4 4.MD.C.5a - 5b 4.MD.C.6 4.MD.C.7
Activities	**Activity:** Students will	**Activity:** Create a book	**Activity:** Students will add	**Activity:** Students will

	have a budget and be able to purchase different pet items for a new pet coming home. **Activity:** Students will roll a number cube to complete a multiplication template and solve. **Activity:** Students will learn multiplication through the use of manipulatives **Activity:** Students will apply their understanding of multiplication through word problems **Activity:** Students will use playing cards to create and solve multi digit multiplication problems	with sample problems on how to interpret remainders in division problems. **Activity:** Students will apply their understanding of division through word problems. **Activity:** Students will spin a spinner to create one digit divisors and four digit dividends and find the quotient of the two. **Activity:** Students will use fraction strips to create two fractions that are equivalent. **Activity:** Students will create a song/rhyme to remember multiples of a specific number.	fractions by doubling their favorite baking recipe. **Activity:** Students will solve word problems involving multiplication of a fraction by a whole number. **Activity:** Students will separate Hershey bars into twelfths, sixths, fourths, and halves and compare. **Activity:** Students will use baseball cards to calculate fractions for different decimal statistics. **Activity:** Students will play "Decimal vs Fraction" to determine the greater value.	create a chart to write fractions and their corresponding decimals. **Activity:** Students will play **"**What's my Name Worth?" and calculate the value of the student's name by identifying angles using a protractor. **Activity:** Students will create a playground using formulas for perimeter and area. **Activity:** Students will measure angles of various real world objects. **Activity:** Students will take a walk around the school and use ipads to capture various 3-dimensional shapes.
Modifications	**English Language Learners:** * Assist struggling students * Complete more challenging problems * Model examples for class **At Risk of School Failure:** *Will complete all assigned	**Tier 1:** * Assist struggling students * Complete more challenging problems * Model examples for class **Tier 2:** *Will complete all assigned problems	**Tier 1:** * Assist struggling students * Complete more challenging problems * Model examples for class **Tier 2:** *Will complete all assigned problems	**Tier 1:** * Assist struggling students * Complete more challenging problems * Model examples for class **Tier 2:** *Will complete all assigned problems

	problems *Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own **Gifted and Talented Students:** *Mentor/Teacher other students math concepts/skills **Special Education Students:** *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on Assessments	*Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own **Gifted and Talented Students:** *Mentor/Teacher other students math concepts/skills **Special Education Students:** *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on Assessments	*Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own **Gifted and Talented Students:** *Mentor/Teacher other students math concepts/skills **Special Education Students:** *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on Assessments	*Use supplemental aides (manipulatives, charts, graphic organizers) *Complete work on own **Gifted and Talented Students:** *Mentor/Teacher other students math concepts/skills **Special Education Students:** *Modify amount of work *Provide extra time *Word problems read aloud *Extra help in small groups or one-one *Repeat, clarify, reword directions *Breaks as needed *Manipulatives on Assessments
Interdisciplinary Connections	**Social Studies:** Use place value to order the five tallest buildings in New Jersey	**Science:** Use compatible numbers to estimate different speeds of various hurricanes to hit the United States.	**Science:** Use fractions to compare different constellations in the night sky.	**Integrated Language Arts:** Read a story about William Jones and His Circle.
Assessments	**Benchmarks:** Mid Chapter Checkpoint Chapter Quizzes Teacher Observation	**Benchmarks:** Mid Chapter Checkpoint Chapter Quizzes Teacher Observation	**Benchmarks:** Mid Chapter Checkpoint Chapter Quizzes Teacher Observation	**Benchmarks:** Mid Chapter Checkpoint Chapter Quizzes Teacher Observation

	Formative Assessments: Homework Classwork **Summative Assessment:** Chapter Test MAP Test	**Formative Assessments:** Homework Classwork **Summative Assessment:** Chapter Test MAP Test	**Formative Assessments:** Homework Classwork **Summative Assessment:** Chapter Test MAP Test	**Formative Assessments:** Homework Classwork **Summative Assessment:** Chapter Test MAP Test
21st Century Themes and Skills	CRP2 CRP4 CRP11 9.4.5.CT.1	CRP2 CRP4 CRP11 9.4.5.CT.4	CRP2 CRP4 CRP11 9.4.5.CT.3	CRP2 CRP4 CRP11 9.4.5.IML.2