

Crest Memorial School Curriculum and Pacing Guide

Grade: 4th

Subject: Math

Adoption Date: 09/01/15

Revision Date: 1/2/19

	MP1	MP2	MP3	MP4
Scope and Sequence/Essential Questions	<p>1.How can you understand place value to compare, add, subtract, and estimate with whole numbers?(3 weeks).</p> <p>2.What strategies can you apply to multiply by 1-digit number?(3 weeks).</p> <p>3. What strategies can you apply to multiply by 2-digit numbers?(4 weeks).</p>	<p>1.How can you remember how to divide by 1-digit numbers?(3 weeks).</p> <p>2.How can you create factors and multiples, and how can you generate and describe number patterns?(3 weeks).</p> <p>3. What strategies can you create to compare fractions and write equivalent fractions?(4 weeks).</p>	<p>1. How can you analyze fractions to add or subtract them when they have the same denominator?(3 weeks).</p> <p>2.How can you apply your knowledge of fractions to multiply fractions by whole numbers?(3 weeks).</p> <p>3. How can you remember how to record a decimal notation for fractions, and compare decimals and fractions?(4 weeks).</p>	<p>1. How can you understand how to draw and identify lines and angles, and how can you classify shapes?(2 weeks).</p> <p>2.How can you apply your knowledge of lines/angles to measure angles and solve problems involving angle measure?(2 weeks).</p> <p>3. How can you evaluate relative sizes of measurements to solve problems and to generate measurement tables that show a relationship?(2 weeks).</p> <p>4. How can you understand formulas for perimeter and area to</p>

				solve problems?(2 weeks).
Instructional Materials	Math folders, manipulatives, base-ten blocks, flash cards, multiplication packets and games.	Math folders, manipulatives, flash cards, multiplication packets and games, BrainPop math videos/quizzes, and division card games.	Math folders, manipulatives, flash cards, multiplication packets and games, BrainPop math videos/quizzes, and division card games, Facing Math and Coloring Math activities, Food for fractions.	Math folders, manipulatives, flash cards, multiplication packets and games, BrainPop math videos/quizzes, and division card games, Facing Math and Coloring Math activities,
Standards	Activity One: MA.4.4.1.4.A.2 Activity Two: MA.4.NBT.B.5 Activity Three: MA.5.5.NBT.B.5	Activity One: MA.5.5.NBT.B6 Activity Two: MA.5.5.NBT.B6 Activity Three: MA.5.5.NBT.B6	Activity One: MA.4.4OA.B.4 Activity Two: MA.4.4.NF.B.3c Activity Three: MA.4.4.NF.B.4b	Activity One: MA.4.4.MD.A.1 Activity Two: MA.4.4.G.A.2 Activity Three: MA.4.4.G.A.1
Activities	One: Students use base-ten blocks and place-value maps to show place value. Two: Around the world math game. Three: "MOMA"-Double-digit multiplication strategy in dice roll game.	One: Students use manipulatives to show how to divide up whole amounts into smaller parts. Two: Around the world math game. Three: Fraction match-up games and color equivalent fraction activities.	One: Students use manipulatives such as coins to show factors. Two: Around the world math game for kinesthetic learning. Three: Cutting up and dividing up of objects to show fractions of a whole.	One: Measure various classroom objects using a ruler or a string/ruler combination. Two: Around the world math game. Three: Look at shapes around the classroom or world and identify them.
Modifications	English language learners: Use of translation	English language learners: Use of translation	English language learners:	English language learners:

	<p>dictionaries to translate in class assignments, homework, and study guides. Assign a buddy (native language or English language) Use visual aides when possible. (Activity One)</p> <p>At Risk of School Failure: Preview upcoming vocabulary and skills. Use of math manipulatives. Adjust time for completion. Modify assignment and/or homework length. Read word problems aloud. (Activity one, two, three)</p> <p>Gifted and Talented Students: Allow students to mentor other students. Ask higher level thinking questions. Provide extended assignments. (All activities)</p> <p>Students with 504 plans: Limit visual material presented. Allow close proximity to teacher. Reduce assignments (odd/even questions).</p>	<p>dictionaries to translate in class assignments, homework, and study guides. Assign a buddy (native language or English language) Use visual aides when possible. (All Activities)</p> <p>At Risk of School Failure: Preview upcoming vocabulary and skills. Use of math manipulatives. Adjust time for completion. Modify assignment and/or homework length. Read word problems aloud. (Activity one, two, three)</p> <p>Gifted and Talented Students: Allow students to mentor other students. Ask higher level thinking questions. Provide extended assignments. (All activities)</p> <p>Students with 504 plans: Limit visual material presented. Allow close proximity to teacher. Reduce assignments (odd/even questions).</p>	<p>Use of translation dictionaries to translate in class assignments, homework, and study guides. Assign a buddy (native language or English language) Use visual aides when possible. (All Activities)</p> <p>At Risk of School Failure: Preview upcoming vocabulary and skills. Use of math manipulatives. Adjust time for completion. Modify assignment and/or homework length. Read word problems aloud. (Activity one, two, three)</p> <p>Gifted and Talented Students: Allow students to mentor other students. Ask higher level thinking questions. Provide extended assignments. (All activities)</p> <p>Students with 504 plans: Limit visual material presented. Allow close proximity to teacher. Reduce assignments</p>	<p>Use of translation dictionaries to translate in class assignments, homework, and study guides. Assign a buddy (native language or English language) Use visual aides when possible. (All Activities)</p> <p>At Risk of School Failure: Preview upcoming vocabulary and skills. Use of math manipulatives. Adjust time for completion. Modify assignment and/or homework length. Read word problems aloud. (Activity one, two, three)</p> <p>Gifted and Talented Students: Allow students to mentor other students. Ask higher level thinking questions. Provide extended assignments. (All activities)</p> <p>Students with 504 plans: Limit visual material presented. Allow close proximity to teacher. Reduce assignments</p>
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	Allow extra time for tests and assignments. (Activity three)	Allow extra time for tests and assignments. (Activity three)	(odd/even questions). Allow extra time for tests and assignments. (Activity three)	(odd/even questions). Allow extra time for tests and assignments. (Activity three)
Interdisciplinary Connections	Activity One: Facing Math-students use math to create art. Activity Two: Word problems-students need to have reading comprehension to be able to answer the math problem. Activity Three: Double-digit word problems using culinary connections and realistic measuring tasks.	Activity One: Facing Math-students use math to create art. Activity Two: Word problems-students need to have reading comprehension to be able to answer the math problem. Activity Three: Division problems to solve real-life shopping and planning tasks.	Activity One: Around the world math game for kinesthetic learning. Activity Two: Facing Math-students use math to create art. Activity Three: We will use food to represent fractions of a whole and show how to divide it up into equal portions.	Activity One: Around the world math game for kinesthetic learning. Activity Two: Facing Math-students use math to create art. Activity Three: Science measurement conversions.
Assessments	Formative assessments (assignments that inform instruction): Homework assignments and classwork such as groups activities, whiteboard questions, and games. Summative assessments (end-of-unit tests): End-of-unit “Quests” and quizzes	Formative assessments (assignments that inform instruction): Homework assignments and classwork such as groups activities, whiteboard questions, and games. Summative assessments (end-of-unit tests): End-of-unit “Quests” and quizzes	Formative assessments (assignments that inform instruction): Homework assignments and classwork such as groups activities, whiteboard questions, and games. Summative assessments (end-of-unit tests): End-of-unit “Quests” and quizzes	Formative assessments (assignments that inform instruction): Homework assignments and classwork such as groups activities, whiteboard questions, and games. Summative assessments (end-of-unit tests): End-of-unit “Quests” and quizzes
21st Century Themes and Skills	Activity One: 9.1.4.A.2	Activity One: CRP6	Activity One: CRP6	Activity One: CRP6

	Activity Two: CRP8 Activity Three: CRP8	Activity Two: CRP8 Activity Three: CRP4	Activity Two: CRP8 Activity Three: CRP4	Activity Two: CRP8 Activity Three: CRP4
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