

Crest Memorial School Curriculum and Pacing Guide

Grade: 3rd Grade

Subject: Mathematics

Adoption Date: 04/01/14

Revision Date: 08/9/21

	MP1	MP2	MP3	MP4
Essential Questions	<p>*How can you add and subtract whole numbers and decide if an answer is reasonable? (16 days)</p> <p>*How can you represent and interpret data? (10 days)</p> <p>*How can you use multiplication to find how many in all? (12 days)</p>	<p>*What strategies can you use to multiply? (15 days)</p> <p>*How can you use multiplication facts, place value, and properties to solve multiplication problems? (9 days)</p> <p>* How can you use division to find how many in each group or how many equal groups? (14 days)</p>	<p>*What strategies can you use to divide? (15 days)</p> <p>*How can you use fractions to describe how much or how many? (12 days)</p> <p>*How can you compare fractions? (15 days)</p>	<p>*How can you tell time and use measurement to describe the size of something? (12 days)</p> <p>*How can you solve problems involving perimeter and area? (14 days)</p> <p>*What are some ways to describe and classify two-dimensional shapes? (14 days)</p>
Instructional Materials	<p><u>Go Math - Houghton Mifflin Harcourt 2015</u></p> <p>*Think Central *Manipulatives including but not limited to counters, base ten blocks *Multiplication table, multiplication flash cards, addition and subtraction flash cards, task cards *Supplemental handouts *Interactive Notebooks *Whiteboards</p>	<p><u>Go Math - Houghton Mifflin Harcourt 2015</u></p> <p>*Think Central *Multiplication table, multiplication flash cards, addition and subtraction flash cards, task cards *Multiplication Masters *Supplemental handouts *Interactive Notebooks *Whiteboards *Calculators *Concept Readers</p>	<p><u>Go Math - Houghton Mifflin Harcourt 2015</u></p> <p>*Think Central *Multiplication table, multiplication flash cards, addition and subtraction flash cards, task cards *Multiplication Masters *Supplemental handouts *Interactive Notebooks *Whiteboards *Calculators *Concept Readers</p>	<p><u>Go Math - Houghton Mifflin Harcourt 2015</u></p> <p>*Think Central *Geoboards *Geometric Shapes *Pattern tiles *Multiplication Masters *Supplemental handouts *Interactive Notebooks *Whiteboards *Calculators *Concept Readers *Interactive Student edition</p>

	<p>*Calculators *Concept Readers *Interactive Student edition *Grab-n-Go Centers</p>	<p>*Interactive Student edition *Grab-n-Go Centers *Dice *Playing cards * Picture book - "One Hundred Hungry Ants"</p>	<p>*Interactive Student edition *Grab-n-Go Centers *Dice *Playing cards *Fractions Strips</p>	<p>*Grab-n-Go Centers *Dice *Playing cards *Fractions Strips *Judy Clocks</p>
Standards	<p>3.OA.A.1 3.OA.D.8 3.OA.D.9 3.NBT.A.1 3.NBT.A.2 3.MD.B.3 3.MD.B.4 3.OA.B.5</p>	<p>3.OA.A.3 3.OA.B.5 3.OA.B.6 3.OA.C.7 3.OA.D.8 3.OA.D.9 3.OA.A.4 3.NBT.A.3 3.OA.A.2 3.OA.C.7</p>	<p>3.OA.A.3 3.OA.A.4 3.OA.C.7 3.OA.D.8 3.NE.A.1 3.NE.A.2a-b 3.NE.A.3a 3.NE.A.3b 3.NF.A.3c 3.NE.A.3d</p>	<p>3.MD.A.1 3.MD.A.2 3.MD.B.4 3.MD.C.5 3.MD.C.5a-b 3.MD.C.6 3.MD.C.7 3.MD.C.7a-d 3.MD.D.8 3.G.A.1 3.G.A.2</p>
Activities	<p>Activity - Students will make a city using construction paper. Cut out the shape of their building, the windows of the building will be what makes the arrays. Students will make a variety of different buildings using facts through 12.</p> <p>Activity - Students will survey grades K-3 to complete a graph. The information they have compiled will be used to make graphs that could include favorite food, movie, holiday, etc.</p> <p>Activity - Students roll two dice and record numbers onto their recording sheet. Each player rolls two more times, recording each time one number below the first. Add</p>	<p>Activity - Students continue the Mastering Multiplication program, which includes practice session and timed one minute test, to achieve instant recall.</p> <p>Activity - Players will work in pairs. Use a number cubes labeled 1,2,3,4,5,6 and 7,8,9,10,11,12. Take turns finding factors, filling in your chart, take turns finding the product.</p> <p>Activity- One students will use square tiles to make arrays, the other will break apart the arrays to show different ways they can group the tiles. .</p> <p>Activity - Students will use playing cards to practice</p>	<p>Activity - Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p> <p>Activity - Students will use Versatiles to practice fluency and mastery of division facts and fractions</p> <p>Activity - Catch a wave Division Game - pull cards with division problems if correct you "surf" the waves.</p> <p>Activity - Fraction Festival - pull cards with fraction problems if correct you move down the track to the finish line.</p> <p>Activity - Fraction Pizza- students will serve different size slices of the fraction</p>	<p>Activity - <i>Going to the Playground</i>- Roll number cube, follow direction - give the definition of a measurement term or use it in a sentence to jump to the next spot.</p> <p>Activity - <i>Time After Time</i> - Choose cards to make a time, the other student has to show it on a Judy clock.</p> <p>Activity - Compare and shade clock faces to show different fractions.</p> <p>Activity - Create word problems using elapsed time.</p> <p>Activity - Make and use number cards and a spinner. Draw a number card from a pile and use the spinner to</p>

	<p>all three numbers and record the sum. Players will compare their sums, the player who comes closest to 100 wins.</p> <p>Activity - Students will use playing cards to practice multiplication .</p> <p>Activity- Students will use dice to practice making multiplication sentences and solve sentences made.</p> <p>Activity - Catch a wave Multiplication Game - pull cards with multiplication problems if correct you “surf” the waves.</p>	<p>multiplication .</p> <p>Activity- Students will use dice to practice making multiplication sentences and solve sentences made.</p> <p>Activity - Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p> <p>Activity - Students will use Versatiles to practice fluency and mastery of multiplication facts.</p> <p>Activity - No Prep Multiplication Games - various game where students use either colored pencils or dice to play games to practice fluency.</p>	<p>pizza.</p> <p>Activity - Students continue the Mastering Multiplication program, which includes practice session and timed one minute test, to achieve instant recall.</p> <p>Activity - No Prep division games - various games where students use either colored pencils or dice to play games to practice fluency.</p> <p>Activity - Fish For Fractions - Play Go Fish with fraction flash cards.</p> <p>Activity - Students will have a bake sale. Use cake boxes to make a baked good, some students will double or triple their recipes.</p>	<p>add the amount of elapsed time.</p> <p>Activity - Geometry Scavenger hunt - students will take iPads outside to find geometry in the real world, take pictures and present to class.</p> <p>Activity - Build 3-D Shapes with craft sticks.</p> <p>Activity - Tangram challenges. - Try to make tangram from pieces to fit in a square.</p> <p>Activity - Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p>
<p>Modifications</p>	<p>Tier 1- -Can assist struggling students -Will complete more challenging problems -Model for class</p> <p>Tier 2- Will complete all assigned problems -Use supplemental aides (manipulatives, charts, graphic organizers) -Complete work on own</p> <p>Tier 3- Modify amount of work -Provide extra time -Word problems read aloud -Extra help in small groups or</p>	<p>Tier 1- -Can assist struggling students -Will complete more challenging problems -Model for class</p> <p>Tier 2- Will complete all assigned problems -Use supplemental aides (manipulatives, charts, graphic organizers) -Complete work on own</p> <p>Tier 3- Modify amount of work -Provide extra time -Word problems read aloud -Extra help in small groups or</p>	<p>Tier 1- -Can assist struggling students -Will complete more challenging problems -Model for class</p> <p>Tier 2- Will complete all assigned problems -Use supplemental aides (manipulatives, charts, graphic organizers) -Complete work on own</p> <p>Tier 3- Modify amount of work -Provide extra time -Word problems read aloud -Extra help in small groups or</p>	<p>Tier 1- -Can assist struggling students -Will complete more challenging problems -Model for class</p> <p>Tier 2- Will complete all assigned problems -Use supplemental aides (manipulatives, charts, graphic organizers) -Complete work on own</p> <p>Tier 3- Modify amount of work -Provide extra time -Word problems read aloud -Extra help in small groups or</p>

	one-one -Repeat, clarify, reword directions -Breaks as needed	one-one -Repeat, clarify, reword directions -Breaks as needed	one-one -Repeat, clarify, reword directions -Breaks as needed	one-one -Repeat, clarify, reword directions -Breaks as needed
Interdisciplinary Connections	Language Arts - More Acorns - Read and discuss <i>More Acorns</i> - Students will use subtraction and estimation to determine how many acorns Sandford Squirrel needs for winter.	Science - Discuss the parts of a plants and their jobs; roots, stem, flower, leaf. Draw a picture of a flower and label the parts. Write division problems. Ex. Gene planted 20 tomato seedlings in 5 equal rows. How many seedlings in each row.	Language Arts - Pizza Parts - read about how to find equal parts to write fractions Science - Look at a globe to compare the amount of land and water that covers earth. Students will work in partners to discuss their fractions. Make a line plot to show the class choices and discuss the shape of t	Science - Two groups measure the outside temperature at different times for a week. Each group will record their results and give an average for the week. Explain the difference between the two averages.
Assessments	Benchmark Assessment: <ul style="list-style-type: none"> Quizzes Mid Chapter Checkpoint Ongoing Progress Monitoring Assessments: <ul style="list-style-type: none"> Teacher Observation Homework Classwork Summative Assessment: <ul style="list-style-type: none"> Chapter Test MAP Test 	Benchmark Assessment: <ul style="list-style-type: none"> Quizzes Mid Chapter Checkpoint Ongoing Progress Monitoring Assessments: <ul style="list-style-type: none"> Teacher Observation Homework Classwork Summative Assessment: <ul style="list-style-type: none"> Chapter Test MAP Test 	Benchmark Assessment: <ul style="list-style-type: none"> Quizzes Mid Chapter Checkpoint Ongoing Progress Monitoring Assessments: <ul style="list-style-type: none"> Teacher Observation Homework Classwork Summative Assessment: <ul style="list-style-type: none"> Chapter Test MAP Test 	Benchmark Assessment: <ul style="list-style-type: none"> Quizzes Mid Chapter Checkpoint Ongoing Progress Monitoring Assessments: <ul style="list-style-type: none"> Teacher Observation Homework Classwork Summative Assessment: <ul style="list-style-type: none"> Chapter Test MAP Test
21st Century Themes and Skills	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2