

Crest Memorial School Curriculum and Pacing Guide

All activities correspond with marking period essential questions. Activity goes with question as do the the corresponding standards, modifications, accommodations, assessments and 21st century learning skills.

Grade: 3rd Grade

Subject: Math

Adoption Date: April 2014

Revision Date: November 2018

	MP1	MP2	MP3	MP4
Scope and Sequence	<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>Go Math Houghton Mifflin Harcourt 2015</p> <p>*Think Central *Manipulatives including but not limited to counters, base ten blocks *Multiplication table, multiplication flash cards, addition and subtraction flash</p>	<p>Go Math Houghton Mifflin Harcourt 2015</p> <p>*Think Central *Multiplication table, multiplication flash cards, addition and subtraction flash cards, task cards</p>	<p>Go Math Houghton Mifflin Harcourt 2015</p> <p>*Think Central *Multiplication table, multiplication flash cards, addition and subtraction flash cards, task cards</p>	<p>Go Math Houghton Mifflin Harcourt 2015</p> <p>*Think Central *Geoboards *Geometric Shapes *Pattern tiles *Multiplication Masters</p>

	<p>cards, task cards *Supplemental handouts *Interactive Notebooks *Wipe Boards *Calculators *Concept Readers *Interactive Student Edition *Grab-n-Go Centers</p>	<p>*Multiplication Masters *Supplemental handouts *Interactive Notebooks *Wipe Boards *Calculators *Concept Readers *Interactive Student Edition *Grab-n-Go Centers *Dice *Playing cards *Picture book "One Hundred Hungry Ants"</p>	<p>*Multiplication Masters *Supplemental handouts *Interactive Notebooks *Wipe Boards *Calculators *Concept Readers *Interactive Student Edition *Grab-n-Go Centers *Dice *Playing cards *Fraction Strips</p>	<p>*Supplemental handouts *Interactive Notebooks *Wipe Boards *Calculators *Concept Readers *Interactive Student edition *Grab-n-Go Centers *Dice *Playing Cards *Fractions *Judy Clocks</p>
Activities	<p>One 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>Two Students will survey grades K3 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>Three 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 all three numbers and record the sum. Players will compare their sums, the player who comes closest to 100 wins.</p>	<p>One Students continue the Mastering Multiplication program, which includes practice session and timed one minute test, to achieve instant recall.</p> <p>Two One student 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>Three Students will use dice to practice making multiplication sentences and solve sentences made.</p> <p>Four Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p> <p>Five Students will use Versatiles to practice fluency and mastery of multiplication facts.</p>	<p>One Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p> <p>Two Fraction Festival pull cards with fraction problems if correct you move down the track to the finish line.</p> <p>Three Students continue the Mastering Multiplication program, which includes practice session and timed one minute test, to achieve instant recall.</p> <p>Four No Prep division games various games where students use either colored pencils or dice to play games to practice fluency.</p> <p>Five Fish For Fractions Play Go Fish with fraction flash cards.</p> <p>Six Students will have a bake sale. Use cake boxes to make a baked good, some students will double or triple</p>	<p>One <i>Time After Time</i> Choose cards to make a time, the other student has to show it on a Judy clock.</p> <p>Two Geometry Scavenger hunt students will take iPads outside to find geometry in the real world, take pictures and present to class.</p> <p>Three Build 3D Shapes with craft sticks.</p> <p>Four Tangram challenges. Try to make tangram from pieces to fit in a square.</p> <p>Five Students will use the multiplication station to practice fluency and mastery of multiplications facts.</p>

	<p>Four Students will use playing cards to practice multiplication .</p> <p>Five Students will use dice to practice making multiplication sentences and solve sentences made.</p>		<p>their recipes.</p>	
Standards	<p>Activity One: NBT.A.3 OA.A.3</p> <p>Activity Two: MD.B.3</p> <p>Activity Three: NBT.A.2</p> <p>Activity Four: OA.C.7</p> <p>Activity Five: OA.A.1</p>	<p>Activity One: OA.A.1 OA.C.7</p> <p>Activity Two: OA.A.3</p> <p>Activity Three: OA.A.1 OA.C.7</p> <p>Activity Four: OA.A.1 OA.C.7</p> <p>Activity Five: OA.A.1 OA.C.7</p>	<p>Activity One: OA.A.1 OA.C.7</p> <p>Activity Two: NF.A.1-2</p> <p>Activity Three: OA.A.1 OA.C.7</p> <p>Activity Four: OA.A.1 OA.C.7</p> <p>Activity Five: NF.A.1-2</p> <p>Activity Six: NF.A.1-2</p>	<p>Activity One: MD.A.1</p> <p>Activity Two: G.A.1-2</p> <p>Activity Three: G.A.1-2</p> <p>Activity Four: G.A.1-2</p> <p>Activity Five: OA.A.1 OA.C.7</p>

<p>Accommodations and Modifications</p>	<p>English language learners: Provide hands-on activities and explanations. (Activity One). Reduce amount of work required.</p> <p>At Risk of School Failure: Use behavioral management techniques consistently within a classroom and across classes. Have student demonstrate understanding of instructions/task before beginning assignment (Activity Three).</p> <p>Gifted and Talented Students: Give students opportunities to teach other students (Activity Two). Provide opportunities to develop depth and breadth of knowledge with tangential topics. (Activity Four).</p> <p>Students with 504 plans: Close proximity to the teacher. Reduce the amount of required work (Activity Five).</p>	<p>English Language Learners: Assign a buddy, same language or English speaking (Activity Three). Reduce amount of work required.</p> <p>At Risk of School Failure: Use behavioral management techniques consistently within a classroom and across classes. Adjust time for completion (Activity One).</p> <p>Gifted and Talented Students: Give students opportunities to teach other students (Activity Two). Provide opportunities for open-ended, self directed activities.</p> <p>Students with 504 Plans: Close proximity to the teacher. Modify the amount of required work (Activity Four).</p>	<p>English Language Learners: Accept participation at any level (Activity Six). Assign a buddy, same language or English speaking (Activity Two).</p> <p>At Risk of School Failure: Adjust time for completion (Activity Three). Use behavioral management techniques consistently within a classroom and across classes.</p> <p>Gifted and Talented Students: Ask student higher level questions (Activity Five). When mastery is achieved on routine tasks, allow student supervisory responsibilities (Activity One).</p> <p>Students with 504 Plans: Close proximity to the teacher. Provide extra time to complete tasks (Activity Four).</p>	<p>English Language Learners: Provide hands-on activities and explanations (Activity Three). Allow extended time for project completion (Activity Four).</p> <p>At Risk of School Failure: Parent and teacher verification that student records all homework assignments in assignment book. Adjust time for completion (Activity Five).</p> <p>Gifted and Talented Students: Allow students to present understanding in different and creative ways (Activity Two). Give students opportunities to mentor other students (Activity One).</p> <p>Students with 504 Plans: Close proximity to the teacher. Provide extra time to complete tasks.</p>
<p>Interdisciplinary Connections</p>	<p><u>Language Arts - More Acorns</u> - Read and discuss story. Students will use subtraction and estimation to determine how many acorns Sandford Squirrel needs for the winter.</p>	<p><u>Science</u> - Discuss the parts of a plant and their jobs; roots, stem, flower, leaf. Draw a picture of a flower and label the parts. Write division problems. Ex. Gene planted</p>	<p><u>Language Arts- Pizza Parts</u> - read about how to find equal parts to write fractions</p> <p><u>Science</u> - Look at a globe to compare the amount of land</p>	<p><u>Science</u> - 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.</p>

		20 tomato seedlings in 5 equal rows. How many seedlings in each row?	and water that covers the earth. Students will work in partners to discuss their fractions.	Explain the difference between the two averages.
Assessments	Formative assessments Homework Mid Chapter Checkpoints Classwork Teacher Observation Summative assessments Chapter Tests	Formative assessments Homework Mid Chapter Checkpoints Classwork Teacher Observation Summative assessments Chapter Tests	Formative assessments Homework Mid Chapter Checkpoints Classwork Teacher Observation Summative assessments Chapter Tests	Formative assessments Homework Mid Chapter Checkpoints Classwork Teacher Observation Summative assessments Chapter Tests
21st Century Themes and Skills	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2	CRP11 CRP8 CRP4 CRP2