Grade: 1 Unit: 4	Number and Operations in Base 10-Tens	4 Weeks

Progression	
K	Students learned to work with numbers 11-19 to gain foundations for place value.
1st Grade	**Students will learn to extend the counting sequence to 120 and they will gain a better understanding for place value within 120.**
2nd Grade	Students will extend the counting sequence to 1000 and learn to skip count.

STUDENT LEARNING GOALS

Mathematics Standards *(Appendices A & B)*

1.NBT.B.2a: 10 can be thought of as a bundle of ten ones — called a "ten."

1.NBT.B.2c: The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).

1.OA.C.5: Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

1.NBT.C.5: Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

1.NBT.C.6: Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

(Include MP1 and MP6 for all units for 2014-2015)
MP1: Make sense of problems and persevere in solving them.

MP6: Attend to Precision

Interdisciplinary Standards		Key Vocabulary	
Technology Integration *(Appendix C)*	**21st Century Skills** *(Appendix D)*	**10 Less** **10 More** **120 Chart** **Column**	**Ones** **Row** **Tens**
IS1. Information Strategies IS2. Information Use	TCS1. Use of Information TCS5. Problem Solving		

Enduring Understandings (MI p.1)	**Essential Questions**
• I can show numbers as tens. • I can count on a 120 chart. • I can find 10 more and 10 less than a number. • I can subtract 10 in my head. • I can add tens. • I can subtract tens.	• How do you represent a ten? • Can you count to 120? • How can you easily find 10 more/10less than a number?

Assessment Plan	
Summative Assessment(s)/Performance Based Assessments including 21st Century Learning RCC Unit 4 Review, MI p.94-96 RCC Unit 4 Practice, PPS p.47-50	**Formative and Diagnostic Assessment(s)** STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments

Learning Plan Components	
Text	**Ready Common Core Mathematics Instruction 1**, 2014, Curriculum Associates, ISBN: 978-0-7609-8861-9
Print	**Ready Common Core Mathematics Teacher Resource Book 1**, 2014, Curriculum Associates, ISBN: 978-0-7609-8857-2
Electronic	www.teacher-toolbox.com www.stratfordmath.wikispaces.com www.xtramath.org
Week 1	Students will: • Understand that the base-ten system is made up of groups of tens and ones. • Organize ten ones into groups of ten. • Express ten ones as one ten and one ten as ten ones. • Identify and write two-digit numbers in terms of tens and ones.

Lessons	Tasks / Activities	Worksheets	Technology
RCC Lesson 17: Understand Tens (TRB p.128-134)	*Base Tens and Ones *Place Value Chart *Understand Tens Game	MI p.78-81 PPS p.43 *SF R, P, E & PS 8-1 *4, 3, 2, 1, Blast Off *Haystack Lineup *By the Box *Tens *Counting Groups of Tens	*RCC Interactive Lesson- Grouping into Tens and Ones *RCC Interactive Lesson- Regrouping Tens as Ones *Online Game: Base Ten *Online Game: Ten Fun

Week 2	Students will: • Count on from any number on the 120 chart. • Connect counting on to addition. • Count by 1s, 2s, and 5s within 120.		
Lessons	**Tasks / Activities**	**Worksheets**	**Technology**
RCC Lesson 18: *The 120 Chart (TRB p.135-141) *Engage NY Lesson	*Charts *120 Chart Puzzle *120 Chart Mystery Picture (apple tree, apple, butterfly, flower, penguin, snowman, & turkey) *What Can I do with my 120 Chart *Stickers and Stars 120 Grid Game	MI p.82-85 PPS p.44 *SF R, P, E & PS 7-3 *Fill-in 120 Charts *120 Charts & WS *Adding on the 120 Chart *Treasure Cliff *Engage NY 1	*RCC Interactive Lesson- Counting on 1-100 *Online Game: The 100 Chart *Online Video: Count 1-120 Chart *Online Song: Count to 120 *Online Game: Fill in the Missing Numbers *Online Game: Number Grid Fireworks
Week 3	Students will: • Mentally add and subtract 10 from any number within 120. • Recognize that adding or subtracting a ten results in a change in the tens digit alone.		
Lessons	**Tasks / Activities**	**Worksheets**	**Technology**
RCC Lesson 19: *Understand 10 More and 10 Less (TRB p.142-148) *Engage NY Lessons	*Ten More Game *Add and Subtract 10 on the Number Line *What Number Is?	MI p.86-89 PPS p.45 *SF R, P, E & PS 8-6 *Ten More, 10 Fewer *WS 10 More (enrichment) *WS 10 Less (enrichment) *Engage NY 1-3	*RCC Interactive Lesson- Counting on 1-100 *Online Game: 100 Hunt Plus 10 *Online Game: 100 Hunt Minus 10 *Online Game: Add 10

Week 4	Students will: • Count tens as 1 ten, 2 tens, 3 tens, …tens or as 10, 20, 30, … • Add multiples of 10 to multiples of 10 and subtract multiples of 10 from multiples of 10. • Relate adding tens to adding ones.		
Lessons	**Tasks / Activities**	**Worksheets**	**Technology**
RCC Lesson 20: *Add and Subtract Tens (TRB p.149-155) *Engage NY Lessons	*Subtracting Multiples of Ten Game & Recording Sheet *Subtracting Multiples of Ten *Add Multiples of Ten Game & Recording Sheet *Subtracting a Multiple of 10	MI p.90-93 PPS p.46 *SF R, P, E & PS 12-1 *SF R, P, E & PS 12-6 *Subtracting Multiples of 10 (enrichment) *Sam's Base Ten Blocks (enrichment) *Engage NY 1 & 2	*RCC Interactive Lesson- Addition Facts Part 1 & 2 *RCC Interactive Lesson- Addition and Subtraction Fact Families Part 1 & 2 *Online Game: Fruit Shoot *Online Video: Counting by 10's
Summative Assessment		**Performance Task**	
RCC Unit 4 Review -MI p. 94-96 -Scoring Guide (TRB p. 156-157)		RCC Unit 4 Practice -PPS p.47-50 -Rubric (Teacher-Toolbox)	