

Grade: K Unit: 5	Counting and Cardinality, 11-100 and Number and Operations in Base Ten	5 Weeks
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Progression

Kindergarten	Students will explore the concept of quantities beyond 10, recognizing that when counting groups of 11-19 objects, a group of 10 can be separated out with some extras left (ones). Students will continue to count to 100 by ones, and use their knowledge of the count sequence to 10 to recite the decade numbers (20, 30, 40, etc).
1 st Grade	Students will build on the concept of a teen number as a ten and some ones and will see 10 ones a single unit and use that to aid with the “make a ten” strategy for addition. Students will extend their work by rote counting to 120, and will build on their experience with numbers greater than 10 as they learn about place value.

STUDENT LEARNING GOALS

Mathematics Standards (*Appendices A & B*)

- [K.CC.A.1](#): Count to 100 by ones and by tens.
- [K.CC.A.2](#): Count forward beginning from a given number within the known sequence (instead of having to begin at 1.)
- [K.CC.A.3](#): Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).
- [K.CC.B.5](#): Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.
- [K.NBT.A.1](#): Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects and drawings, and record each composition or decomposition by a drawing or equation (e.g., $18 = 10 + 8$); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.
- [MP1](#): Make sense of problems and persevere in solving them.
- [MP6](#): Attend to Precision

<i>Interdisciplinary Standards</i>		Key Vocabulary	
Technology Integration <i>(Appendix C)</i>	21st Century Skills <i>(Appendix D)</i>	Count On	Teen Numbers
IS1. Information Strategies IS2. Information Use	TCS1. Use of Information TCS5. Problem Solving	Number Bond	Twenty
			Counting
			Numbers 21-99

Enduring Understandings <ul style="list-style-type: none"> I can understand teen numbers as 10 ones and some more ones. I can count 11 to 20 objects. I can recognize and write the numbers 11 to 20. I can identify the teen number that is made using 10 and from 1 to 9 more. I can count orally to 100 by tens and ones. 	Essential Questions <ul style="list-style-type: none"> How do you compose teen numbers? Why do you count to 100 using tens?
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Assessment Plan

Summative Assessment(s)/Performance Based Assessments including 21st Century Learning	Formative and Diagnostic Assessment(s) STAR Math Assessment (Fall) RCC Embedded Tasks and Assessments
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Learning Plan Components

Text	Ready Common Core Mathematics Instruction K, 2014, Curriculum Associates, ISBN: 978-0-7609-8854-1
Print	Ready Common Core Mathematics Teacher Resource Book K, 2014, Curriculum Associates, ISBN: 978-0-7609-8656-5
Electronic	www.teacher-toolbox.com www.stratfordmath.wikispaces.com www.xtramath.org
Week 1	Students will: <ul style="list-style-type: none"> Understand teen numbers as 10 ones and some more ones. Match a teen number to a picture showing 10 ones and some more ones.

Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 21:</u> Understand Teen Numbers (PBR p. 146-152)	11-19 Puzzles Ten Ones and More Tens Teen Number Match My Teen Number Is...	*Number of the Week MI p. 81-84 PPS p. 39	Teacher-Toolbox
Week 2	Students will: <ul style="list-style-type: none"> Count groups of 11 to 20 objects. Count out 11 to 20 objects. Recognize and write numbers 11 to 20. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 22:</u> Count Teen Numbers (PBR p. 153-159)	Teen Counting Cup Ten Frame Teens Base Ten Cut and Paste Worksheets 11-19	*Number of the Week MI p. 85-88 PPS p. 40	Teacher-Toolbox Counting to 20 - Level K

Week 3	Students will: <ul style="list-style-type: none"> Identify how many more need to be added to 10 to make a given teen number. Identify the teen number that is made using 10 and from 1 to 9 more. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 23:</u> Make Teen Numbers (PBR p. 160-166)	Base Ten Block- Build It! Teen Number Book Roll and Record: Teen Numbers	*Number of the Week MI p. 89-92 PPS p. 41	Teacher-Toolbox
Week 4	Students will: <ul style="list-style-type: none"> Count orally to 100 by tens 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 24:</u> Count to 100 by Tens (PBR p. 167-173)	100 Treats	*Number of the Week MI p. 93-96 PPS p. 42	Teacher-Toolbox
Week 5	Students will: <ul style="list-style-type: none"> Count orally to 100 by ones. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 25:</u> Count to 100 by Ones (PBR p. 174-180)	Race to 100!	*Number of the Week MI p. 97-100 PPS p. 43	Teacher-Toolbox
Summative Assessment		Performance Task	
Unit 5 (based on RCC) Practice Resources Found online Teacher-Toolbox			