

MATH - K

School	Teacher	Email	Course#	Grade Level
Lettie Brown Elementary School	VanDerVoorn, Lauri	Lauri.VanDerVoorn@morton709.org	MA4000	K

August 2015

Content	Skills	Assessment	Resources
COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Counting GEOMETRY <ul style="list-style-type: none"> Position 	COUNTING AND CARDINALITY Numbers <ol style="list-style-type: none"> Count by ones to 10 Recognize the last number named tells the number of objects counted Positional Words <ol style="list-style-type: none"> Describe objects in the environment related to position (in front of, behind, etc.) 	COUNTING AND CARDINALITY Numbers <ol style="list-style-type: none"> Counting Assessment GEOMETRY Chapter 10 Assessment	COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Calendar Hundreds chart 1-25 chart GEOMETRY Chapter 10 activities Vocab - compare, in front of, behind, next to, right, left

September 2015

Content	Skills	Assessment	Resources
COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Counting Numbers to 5 GEOMETRY <ul style="list-style-type: none"> Position 	COUNTING AND CARDINALITY Numbers <ol style="list-style-type: none"> Count by ones to 25 Count objects by touching them while saying the number Recognize the last number named tells the number of objects counted Count forward beginning from a number other than 1 Recognize numbers 0 to 10 Write numbers from 0 to 10 Positional Words <ol style="list-style-type: none"> Describe objects in the environment related to position (in front of, behind, etc.) 	COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Counting Assessment Observational checklist Math Tests Chapter 10 test	COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Chapter 2 workbook activities Hundreds chart Calendar Math games Number poems Number Talk Math Journals Illustrate the word GEOMETRY Chapter 10 activities Vocab - compare, in front of, behind, next to, right, left

October 2015

Content	Skills	Assessment	Resources
COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Counting Number Recognition 	COUNTING AND CARDINALITY Numbers <ol style="list-style-type: none"> Count by ones to 30 Count objects by touching them while saying the number Recognize the last number named tells the number of objects counted Recognize numbers 0 to 20 Write numbers from 0 to 10 Recognize numbers 11-20 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count that many objects Ordinal Numbers	COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Chapter 3 assessment Ordinal Numbers Assessments	COUNTING AND CARDINALITY Numbers <ul style="list-style-type: none"> Chapter 3 workbook activities Manipulatives Math games and journals Number poems http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.k-5matteachingresources.com Scholastic # worksheets Smartboard number sense Number sense worksheets Number circles Number bonding and part, part, whole templates Smart exchange lesson Math Centers

November 2015			
Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Counting Numbers 11-20 Whole numbers 	<p>COUNTING AND CARDINALITY Numbers</p> <ol style="list-style-type: none"> Write numbers 0-20 Recognize numbers 11-20 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count out that many objects Count forward beginning at a number other than 1 	<p>COUNTING AND CARDINALITY Numbers</p> <p>Chapter 3 Assessment</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Chapter 4 workbook activities Manipulatives Math games and journals Number poems http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.ndsl.org/commcore/math?id=k www.k-5mathteachingresources.com Numbers galore worksheets Smartboard activities 5-10 showing all the ways to make a number Magic math number games Number bonding & part, part, whole templates
December 2015			
Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Counting Numbers to 20 <p>Whole Numbers</p> <ul style="list-style-type: none"> Greater than, Less than, Equal to One Larger <p>MEASUREMENT & DATA Classifying</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Write numbers 0-20 Recognize numbers 11-20 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count out that many objects Count forward beginning at a number other than 1 <p>Whole Numbers</p> <ol style="list-style-type: none"> Explain the meaning of greater than Compare two groups of objects and identify greater Explain the meaning of "equal to" Compare two groups of objects and identify if they are equal Explain the meaning of "less than" Compare two groups of objects and identify which has less Recognize that each successive number refers to one larger <p>MEASUREMENT & DATA Classifying</p> <ol style="list-style-type: none"> Classify objects into given categories (color, shape, size, thickness) Count the number of objects in each category Describe measurable attributes of objects (length, width, etc.) 	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Observational checklist <p>MEASUREMENT & DATA Classifying</p> <p>Chapter 8 & 9 Assessments</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Manipulatives Math games and journals http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.ndsl.org/commcore/math?id=k www.k-5mathteachingresources.com <p>Whole Numbers</p> <ul style="list-style-type: none"> Chapter 1-3 workbook activities Calendar Graphs Manipulatives (variety) <p>MEASUREMENT & DATA Classifying</p> <ul style="list-style-type: none"> Chapter 8 & 9 activities Manipulatives (cubes, beans, crayons, yarn, etc.)
January 2016			

Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Numbers (ongoing)</p> <ul style="list-style-type: none"> Counting <p>Whole Numbers (ongoing)</p> <ul style="list-style-type: none"> Greater than, Less than, Equal to One Larger <p>NUMBER AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ul style="list-style-type: none"> Numbers 1-10 Place Value <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Write numbers 0-20 Recognize numbers 1-39 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count out that many objects Count forward beginning at a number other than 1 <p>Whole Numbers</p> <ol style="list-style-type: none"> Explain the meaning of "greater than" Compare two groups of objects and identify which is greater Explain the meaning of "equal to" Compare two groups of objects and identify if they are equal Explain the meaning of "less than" Compare two groups of objects and identify which has less Recognize that each successive number refers to one larger Understand that each successive number name refers to a quantity that is one larger <p>NUMBER AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ol style="list-style-type: none"> Compose numbers 1- 10with objects, fingers, mental images, drawings, etc. <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <ol style="list-style-type: none"> Understand addition as putting together and adding to Fluently add within 5. Solve addition word problems and add within 10 by using objects and drawings to represent the problem. For any number 1 to 9, find the number that makes 10 when added 	<p>COUNTING AND CARDINALITY Numbers</p> <p>Whole Numbers</p> <ul style="list-style-type: none"> Chapter 1-3 assessments <p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <ul style="list-style-type: none"> Chapter 5 Assessment 	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Manipulatives Calendar Math Math games and journals http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.ndsl.org/commcore/math?id=k www.k-5mathteachingresources.com <p>Whole Numbers</p> <ul style="list-style-type: none"> Calendar Graphs Manipulatives (variety) <p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <ul style="list-style-type: none"> Base 10 blocks Unifix cubes Vocab - ten frame, compare, compose, decompose <p>OPERATIONS AND ALGEBRAIC THINKING</p> <ul style="list-style-type: none"> Chapter 5 activities Shared drive K folder Math Journals Calendar Math

February 2016

Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Numbers (ongoing)</p> <ul style="list-style-type: none"> Counting 	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Write numbers 0-20 Recognize numbers 1-39 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count out that many objects 	<p>COUNTING AND CARDINALITY Numbers</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Manipulatives Calendar Math Math games and journals http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.ndsl.org/commcore/math?id=k www.k-5mathteachingresources.com <p>Whole Numbers</p>

<p>Whole Numbers (ongoing)</p> <ul style="list-style-type: none"> Greater than, Less than, Equal to One Larger <p>NUMBER AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ul style="list-style-type: none"> Numbers 1-20 Place Value <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p>	<ul style="list-style-type: none"> Count forward beginning at a number other than 1 <p>Whole Numbers</p> <ol style="list-style-type: none"> Explain the meaning of "greater than" Compare two groups of objects and identify which is greater Explain the meaning of "equal to" Compare two groups of objects and identify if they are equal Explain the meaning of "less than" Compare two groups of objects and identify which has less Recognize that each successive number refers to one larger <p>NUMBER AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ol style="list-style-type: none"> Compose numbers 1-10 with objects, fingers, mental images, drawings, etc. <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <ol style="list-style-type: none"> Understand addition as putting together and adding to Fluently add within 5 Solve addition word problems and add within 10 by using objects and drawings to represent the problem <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <ol style="list-style-type: none"> Understand subtraction as taking apart and taking from Fluently subtract within 5. Solve subtraction word problems within 10 by using objects and drawings to represent the problem. Decompose numbers less than or equal to 10 in more than one way ($5=2+3$ or $5=4+1$) 	<p>Whole Numbers</p> <ul style="list-style-type: none"> Observational checklist <p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <p>Chapter 5 Assessment Observational checklist</p> <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <p>Chapter 12 Assessment</p>	<ul style="list-style-type: none"> Calendar Graphs Manipulatives (variety) <p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <ul style="list-style-type: none"> Base 10 blocks Unifix cubes Rekenrek Vocab - ten frame, compare, compose, decompose <p>OPERATIONS AND ALGEBRAIC THINKING Addition</p> <ul style="list-style-type: none"> Rekenrek Manipulatives Ways to Make worksheets <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <ul style="list-style-type: none"> Shared drive K folder Chapter 12 activities Math Journals Calendar Math IPAD apps Rekenrek
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March 2016

Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Numbers (ongoing)</p> <ul style="list-style-type: none"> Counting <p>Whole Numbers (ongoing)</p> <ul style="list-style-type: none"> Greater than, Less than, Equal to One Larger 	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Write numbers 0-20 Recognize numbers 1-39 out of sequence Tell the number of objects regardless of their arrangement (straight line, circle, rectangular array, etc.) Count up to 20 objects that are in an order by answering the question "how many" Given a number from 1-20, count out that many objects Count forward beginning at a number other than 1 	<p>COUNTING AND CARDINALITY Numbers</p> <p>Whole Numbers</p>	<p>COUNTING AND CARDINALITY Numbers</p> <ul style="list-style-type: none"> Manipulatives Calendar Math Math games and journals http://illuminations.nctm.org/activitydetail.aspx?ID=75 www.ndsl.org/commcore/math?id=k www.k-5mathteachingresources.com <p>Whole Numbers</p> <ul style="list-style-type: none"> Calendar Graphs Manipulatives (variety)

<p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <ul style="list-style-type: none"> Numbers 1-10 (ongoing) Place Value Number composition/decomposition 11-20 <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p>	<p>Whole Numbers</p> <ol style="list-style-type: none"> Explain the meaning of "greater than" Compare two groups of objects and identify which is greater Explain the meaning of "equal to" Compare two groups of objects and identify if they are equal Explain the meaning of "less than" Compare two groups of objects and identify which has less Recognize that each successive number refers to one larger <p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <ol style="list-style-type: none"> Compose numbers 1-5 with objects, fingers, mental images, drawings, etc. (ongoing) Compose numbers from 11-19 from a group of tens and ones Decompose numbers 11-20 using tens and ones objects <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <ol style="list-style-type: none"> Understand subtraction as taking apart and taking from Fluently subtract within 5 Solve subtraction word problems within 10 Decompose numbers than than or equal to 10 in more than one way (i.e. $5=2+3$ or $5=1+4$) 	<p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <p>Chapter 7 Assessment</p> <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <p>Chapter 6 Assessment</p>	<p>NUMBER AND OPERATIONS IN BASE TEN Place Value</p> <ul style="list-style-type: none"> Base 10 blocks Vocab - ten frame, compare, compose, decompose Ten frames Unifix cubes <p>OPERATIONS AND ALGEBRAIC THINKING Subtraction</p> <ul style="list-style-type: none"> Shared drive k folder Chapter 6 activities Math journals Calendar Math IPAD apps Rekenrek manipulatives (variety)
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April 2016

Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p> <p>GEOMETRY Shapes and Solids Shapes- square, circle, triangle, rectangle, rhombus</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p> <p>GEOMETRY Shapes and Solids Chapter 11-12 assessments</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <ul style="list-style-type: none"> Calendar Math journals <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ul style="list-style-type: none"> Calendar Math journals <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p> <ul style="list-style-type: none"> Calendar Math journals <p>GEOMETRY Shapes and Solids</p>

<p>Solids- cone, cube, sphere, cylinder</p>	<p>GEOMETRY Shapes and Solids</p> <ol style="list-style-type: none"> 1. Identify and name circles, squares, rectangles, triangles, and rhombus 2. Describe objects in our environment using names of two-dimensional shapes 3. Name shapes regardless of size 4. Describe two-dimensional and three-dimensional shapes to identify their attributes (vertices, sides, corners) 5. Identify shapes as two-dimensional and flat 6. Identify shapes as three-dimensional and solid 7. Model shapes by building shapes from other shapes 8. Model shapes using a variety of items (clay, rubber bands, etc.) 	<ul style="list-style-type: none"> • Manipulatives- foam and wooden shapes, 3-D wooden models • Chapter 11-12 workbook activities • Modeling clay • Playdough • "Show Me" app
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May 2016

Content	Skills	Assessment	Resources
<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p>	<p>COUNTING AND CARDINALITY Counting Whole Numbers (ongoing)</p> <ul style="list-style-type: none"> • Calendar • Math journals <p>NUMBERS AND OPERATIONS IN BASE TEN Place Value (ongoing)</p> <ul style="list-style-type: none"> • Calendar • Math journals <p>OPERATIONS AND ALGEBRAIC THINKING Addition Subtraction</p> <ul style="list-style-type: none"> • Calendar • Math journals