**Bradley County Schools Kindergarten Mathematics**

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| **Time Frame** | **TN Standard** | **Vocabulary** | **Essential Question** | **Learning Target** | **Prerequisite Standards** | **Additional**  **Resources** |
| **First 9 Weeks: Unit 1 Counting and Cardinality, Numbers 1 – 5** | | | | | | |
| Week 1  STAR Testing / iReady Baseline Diagnostic | | | | | | |
| Week 2  L1: Understand Counting | K.CC.B.4a  K.CC.B.4b | Count  Number  One  Two  Three | a. How do I count objects (pictures) to know how many I have in a group?  b. How can I show the relationship between objects and numbers? | I can count objects in a row in order to develop one to one correspondence.  I can count objects in a group. | Be familiar with the count sequence to 5. | Envision:  Topic 4 |
| Week 3  L2: Count 1, 2, and 3 | K.CC.A.3  K.CC.B.4a  K.CC.B.4a  K.CC.B.5 | Count  Number  One  Two  Three | What are the different ways to show numerals 0-5? (drawing groups, using manipulatives, writing numbers to match groups) or  What are the written numeral representations for objects in a group? | I can write and match objects 0-5. | Understand Counting | Envision  Topic 4 |
| Week 4  L3: Count 4 | K.CC.A.3  K.CC.B.4a  K.CC.B.4b  K.CC.B.5 | Four  Count  Number  One  Two  Three | How do I count objects in different arrangements? | I can count up to 5 objects in different arrangements | Know the count sequence to 3.  Count 1, 2, or 3 objects.  Recognize the numbers 1, 2, and 3. | Envision  Topic 4 |
| Week 5  L4: Count 5 | K.CC.A.3  K.CC.B.4a  K.CC.B.4b  K.CC.B.5 | Count  Number  One  Two  Three  Four | \*See Essential Questions for  weeks 2-4, as they are repeated in week 5. | \*See learning targets for weeks  2-4, as they are repeated in week 5. | Know the count sequence to 4.  Count up to 4 objects.  Recognize the numbers 1, 2, 3, and 4. | Envision  Topic 4 |
| Week 6  L5: Compare Within 5 | K.CC.B.4c  K.CC.C.6  K.CC.C.7 | Compare Numbers  More, More Than, Greater, Greater Than  Less, Less Than, Fewer, Fewer Than  Equal, Equal To, Same As | c. How can I show the relationship between objects and numbers? | I can count in order to tell the number of objects. | Count groups of object up to 5.  Write numbers 1 through 5. | Envision  Topic 6 |
| Week 7  L6: Make 3, 4, and 5 | K.OA.A.3  K.OA.A.5 | Zero  Equal, Equal To, Same As | How can different strategies be helpful when solving a problem?  In what ways can fluency effect addition and subtraction? | I can decompose (break apart) numbers to 10 using objects or drawings.  I can record the answer using a drawing or equation.  I can fluently add and subtract within 5. | Count out up to 5 objects  Recognize numbers 1 through 5. |  |

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|  | | **Second 9 Weeks: Unit 2 Counting and Cardinality, Numbers 6 – 9** | | | | | |
| Week 8  L7: Count 6 and 7 | K.CC.A.3  K.CC.B.4a  K.CC.B.4b  K.CC.B.5 | | Six  Seven  Five | \*See weeks 2-4 for essential questions, as they are repeated in week 8. | \*See weeks 2-4 for learning target, as they are repeated in week 8. | Know the count sequence to 5.  Count up to 5 objects.  Recognize the numbers 0 to 5. | Envision  Topic 5 |
| Week 9  L8: Make 6 and 7 | K.OA.A.3 | | Equal, Equal To, Same As | How can different strategies be helpful when solving a problem? | I can decompose (break apart) numbers to 10 using objects or drawings.  I can record the answer using a drawing or equation. | Count out up to 7 objects. | Envision  Topic 5 |
| **Unit 2 Counting and Cardinality, Numbers 6-9 (continued)** | | | | | | | |
| Week 10  L9: Count 8 and 9 | K.CC.A.3  K.CC.B.4a  K.CC.B.4b  K.CC.B.5 | | Eight  Nine  Six  Seven | \*See weeks 2-4 for essential questions, as they repeat in week 10. | \*See weeks 2-4 for learning target, as they repeat in week 10. | Know the count sequence to 7.  Count up to 7 objects.  Recognize the numbers 0 to 7. | Envision  Topic 5 |
| Week 11  L10: Make 9 and 9 | K.OA.A.3 | | Equal, Equal To, Same As | How can different strategies be helpful when solving a problem? | I can decompose (break apart) numbers to 10 using objects or drawings.  I can record the answer using a drawing or equation. | Count up to 9 objects. | Envision  Topic 4 |
|  | | **Unit 3: Counting and Cardinality, Number to 10** | | | | | |
| Week 12  L11: Count 10 | K.CC.A.3  K.CC.B.4a  K.CC.B.4.b  K.CC.B.5 | | Ten  Six  Seven  Eight  Nine | \*See weeks 2-4 for essential questions, as they repeat in week 12. | \*See weeks 2-4 for learning target, as they repeat in week 12. | Know the count sequence to 9.  Count up to 9 objects.  Recognize the number 0 to 9. | Envision  Topic 5 |
| Week 13  L12: Compare Within 10 | K.CC.B.4  K.CC.C.6  K.CC.C.7 | | Compare Numbers  Equal, Equal To, Same As  Less, Less Than, Fewer, Fewer Than  More, More Than, Greater, Greater Than  Ten | b. How can I show the relationship between objects and numbers?  How do I identify objects in groups as greater than, less than, and equal to?  How can I compare two written numbers? | I can count objects in a group.  I can compare two groups of objects and identify which groups are greater, less, and equal to.  I can compare two groups of objects and identify which groups are greater, less, and equal to. | Count up to 10 objects.  Recognize the numbers 0 through 10.  Identify whether the number of objects (to 5) in one group is more than, less than, or the same as (greater than, less than, equal to) the number in another group.  Compare two written numbers from 1 to 5 without objects. | Envision  Topic 6 |
| Week 14  L13: Make 10 | K.OA.A.3  K.OA.A.4 | | Equal, Equal To, Same As  Ten | How can different strategies be helpful when solving a problem?  How do I find the number needed to make 10? | I can decompose (break apart) numbers to 10 using objects or drawings.  I can record the answer using a drawing or equation.  I can find the missing number needed to make 10. | Count up to 10 objects  Recognize the number 0-10. |  |
| **Unit 4: Operations and Algebraic Thinking** | | | | | | | |
| Week 15  L14: Understand Addition | K.OA.A.1 | | Add  Plus  Number Sentence  Total  Equal | How can I show addition or subtraction using a variety of ways? | I can compare the common attributes of two objects. | Count up to 5 objects.  Recognize the numbers 0-5. | Envision  Topic 10 & 11 |
| Week 16  L15: Add Within 5 | K.OA.A.2  K.OA.A.5 | | Add  Plus  Equals  Total | How can I show addition or subtraction using a variety of ways?  In what ways can fluency effect addition and subtraction? | I can compare the common attributes of two objects.  I can fluently add and subtract within 5. | Count up to 5 objects.  Recognize the + sign.  Recognize the = sign. | Envision  Topic 10 & 11 |

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| **Third 9 Weeks: Unit 4: Operations and Algebraic Thinking Continued** | | | | | | |
| Week 17  L16: Understand Subtraction | K.OA.A.1 | Subtract  Minus  Equal | How can I show addition or subtraction using a variety of ways? | I can compare the common attributes of two objects. | Count up to 5 objects.  Recognize the numbers 0-5. | Envision:  Topic 10 & 11 |
| Week 18  L17: Understand Subtraction | K.OA.A.2  K.OA.A.5 | Equal  Subtract  Minus  Number Sentence | How can I show addition or subtraction using a variety of ways?  In what ways can fluency effect addition and subtraction? | I can compare the common attributes of two objects.  I can fluently add and subtract within 5. | Count up to 5 objects.  Recognize the – sign.  Recognize the = sign. | Envision:  Topic 10 & 11 |
| Week 19 | K.OA.A.2 | Add  Plus  Equals  Number sentence  Total | How can I show addition or subtraction using a variety of ways? | I can compare the common attributes of two objects. | Solve addition word problems with sums to 5, using pictures or objects.  Count up to 10 objects.  Read addition number sentences. | Envision:  Topic 10 & 11 |
| Week 20  L19: Add Within 10 | K.OA.A.2 | Equals  Subtract  Minus | How can I show addition or subtraction using a variety of ways? | I can compare the common attributes of two objects. | Solve take-away subtraction word problems within 5 using pictures or objects.  Count groups of up to 10 objects.  Read subtraction number sentences. | Envision:  Topic 10 & 11 |
| Week 21  L20: Practice Facts to 5 | K.OA.A.5 | Plus  Addend  Minus  Equals | In what ways can fluency effect addition and subtraction? | I can fluently add and subtract within 5. | Add and subtract within 5.  Solve addition and subtraction word problems within 5 using pictures or objects. |  |
| **Unit 5: Counting and Cardinality, Numbers 11-100 and Number and Operations in Base Ten** | | | | | | |
| Week 22  L21: Understand Teen Numbers | K.NBT.A.1 | Teen Numbers  Eleven  Twelve  Thirteen  Fourteen  Fifteen  Sixteen  Seventeen  Eighteen  Nineteen | What pattern do we see when composing teen numbers?  How do we decompose teen numbers into ten ones and some more ones? | I can compose and decompose teen numbers into ten ones and some more ones. | Count up to 10 objects. | Envision  Topic 12 |
| Week 23  L22: Count Teen Numbers | K.CC.A.3  K.CC.B.5 | Twenty  Teen Numbers | What are the different ways to show numerals 0-15? (drawing groups, using manipulatives, writing numbers to match groups) or  What are the written numeral representations for objects in a group?  How do I count objects in different arrangements? | I can write and match objects 0-15.  I can count up to 20 objects in different arrangements. | Rote count to 20.  Count groups of 1 to 10 objects.  Recognize and write 0 to 10. | Envision  Topic 12 |
| Week 24  L23: Make Teen Numbers | K.NBT.A.1 | Number Bond  Teen Numbers | What pattern do we see when composing teen numbers?  How do we decompose teen numbers into ten ones and some more ones? | I can compose and decompose teen numbers into ten ones and some more ones. | Understand teen numbers as 10 and some more.  Count 11-19 objects.  Match a teen number to a quantity. | Engage NY:  Module 5  Topic B & C |
| Week 25  L24: Count to 100 by Tens | K.CC.A.1  K.CC.A.2 | Twenty  Thirty  Forty  Fifty  Sixty  Seventy  Eighty  Ninety  One Hundred | What is counting and how can it be used?  When might it be useful to start counting at a number other than 1? | I can count to 100 by ones.  I can count forward beginning at a given number. | Count groups of 1 to 10 objects. | Envision  Topic 4 |

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| **Fourth Nine Weeks**  **Unit 5: Counting**  **Unit 6: Measurement and Data** | | | | | | |
| Week 26  L25: Count to 100 by Ones | K.CC.A.1  K.CC.A.2 | Counting numbers 21-99  Count on  Twenty  Thirty  Forty  Fifty  Sixty  Seventy  Eighty  Ninety  One Hundred | What is counting and how can it be used? | I can count to 100 by ones. | Know the count sequence to 100.  Count orally to 100 by tens. | Envision  Topic 4 |
| Week 27  L26: Compare Length | K.MD.A.1  K.MD.A.2 | Length  Height  Long, Longer  Tall, Taller  Short, Shorter  Compare Length  Height | How can I use measurements (several measureable characteristics) to describe objects? | I can describe objects by length and weight or other attributes (ways). | Understand comparing numbers. | Envision  Topic 9 |
| Week 28  L27: Compare Weight | K.MD.A.1  K.MD.A.2 | Weight  Heavy, Heavier  Light, Lighter  Compare weight | How do I compare the common attributes of two objects? | I can compare two objects that have a common attribute. | Understand comparing numbers. | Envision:  Topic 9 |
| **Unit 7: Geometry** | | | | | | |
| Week 29  L28: Sort Objects | K.MD.B.3 | Compare numbers  Equal  Less  More | How do I classify, sort, and count objects in categories? | I can classify objects and count the objects in each category. | Count up to 10 objects.  Compare numbers to 10. | Envision:  Topic 1 |
| Week 30  L29: See Position and Shape | K.G.A.1 | Above, Behind, Below, Beside, Between, By, Next to, In front of  Triangle  Square  Rectangle  Circle  Hexagon  Cone  Cylinder  Sphere  Cube | How can I describe the position of objects in the environment? | I can name shapes and use positional words. | Sort objects into given categories. | Envision  Topic 1 |
| Week 31  L30: Name Shapes | K.G.A.2  K.G.A.3 | Flat  Solid  Side  Corner  Triangle  Square  Rectangle  Circle  Hexagon  Cone  Cylinder  Sphere  Cube | How can I name shapes that change in size and orientation  How would you identify two and three-dimensional shapes? | I can name shapes.  I can identify flat and solid shapes. | Describe objects in the environment using shape words.  Sort objects into given categories. | Envision:  Topic 7 |
| Week 32  L31: Compare Shapes | K.G.B.4 | Face  Flat  Solid  Side  Corner  Triangle  Square  Rectangle  Circle  Hexagon  Cone  Cylinder  Sphere  Cube | How do I explain the differences in two and three dimensional shapes? | I can describe and compare two and three dimensional shapes. | Correctly name shapes regardless of their orientations or overall size.  Identify shapes as “flat” or “solid”. | Envision  Topic 7 |
| Week 33  L32: Build Shapes | K.G.B.5  K.G.B.6 | Flat  Solid  Side  Corner  Triangle  Square  Rectangle  Circle  Hexagon  Cone  Cylinder  Sphere  Cube  Face | How do we use materials to model shapes in the world?  How do we use drawings to model shapes in the world?  What happened when we combine simple shapes? | I can combine simple shapes to form larger shape  How do we use drawings to model shapes in the world?  What happened when we combine simple shapes? | Correctly name shapes regardless of their orientation or overall size.  Identify shapes as “flat” or “solid”.  Compare shapes, focusing on the number of sides. | Envision  Topic 7 |