

**Berlin Brothersvalley School District
Berlin Brothersvalley Elementary School
Math
Kindergarten
2nd Nine Weeks**

| Big Idea(s) for ____ nine weeks | Concept(s) of ____ nine weeks | Competencies of ____ nine weeks | Essential Questions for ____ nine weeks |
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| Mathematical relationships among numbers can be represented, compared, and communicated. | Students will know... <ul style="list-style-type: none"> • Ten frames • Bar Graphs • Addition and subtraction • Two dimensional shapes | Students will be able to... <ul style="list-style-type: none"> • Identify amounts in a ten frame numbers 0-10 • Classify and count objects • Compose and decompose numbers 0-10 • Make shapes and identify attributes of two dimensional shapes | How is mathematics used to quantify, compare, represent, and model numbers? |
| Topics Ten Frames Addition and Subtraction Counting collections Rectangles Vertex, 4 sides, same length | Approx # of weeks 1 week | <u>PA Standards</u> CC.2.1.K.A.1 Know number names and write and recite the count sequence. CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects. CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and | <u>Assessment Anchors & Eligible Content</u> NA |

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| | | <p>quantities</p> <p>CC.2.1.K.B.1</p> <p>Use place value to compose and decompose numbers within 19.</p> | |
| <p><u>Topics</u></p> <p>Addition and Subtraction Bar Graphing with pattern blocks</p> <p>Graph by shapes</p> <p>Making combinations of ten</p> <p>Make shapes out of rope (Square, rectangle, circle, triangle)</p> | <p><u>Approx # of weeks</u></p> <p>1 week</p> | <p><u>PA Standards</u></p> <p>CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.</p> <p>CC.2.3.K.A.1 Identify and describe two- and three dimensional shapes.</p> <p>CC.2.3.K.A.2 Analyze, compare, create, and compose two- and three-dimensional shapes</p> <p>CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.</p> | <p><u>Assessment Anchors & Eligible Content</u></p> <p>NA</p> |

| <u>Topics</u> | <u>Approx # of weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
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| <p>Numbers 0-10 Writing and matching number of objects</p> <p>Comparing lengths (longer, shorter)</p> <p>Position words (above, around behind, below, beside, between, left, next to, on, under, up, over)</p> | 1 week | <p>CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.</p> <p>CC.2.4.K.A.1 Describe and compare attributes of length, area, weight, and capacity of everyday objects.</p> | NA |
| <u>Topics</u> | <u>Approx # of weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
| <p>Number identification 0-10 Number writing 0-10</p> | 1 week | <p>CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p> <p>CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.</p> <p>CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and quantities</p> | NA |

| <u>Topics</u> | <u>Approx # of weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
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| Number identification 0-10 Number writing 0-10 Counting with 1-1 correspondence Number order 1-10 | 1 week | <p>CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p> <p>CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.</p> <p>CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and quantities</p> <p>CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.</p> | NA |
| <u>Topics</u> | <u>Approx # of weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
| Number order 0-10 Number recognition Graphing using bar graph 1-10 Greater and less than 1-10 | 1 week | <p>CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p> <p>CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.</p> <p>CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and</p> | NA |

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| | | <p>quantities</p> <p>CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.</p> <p>CC.2.4.K.A.4 Classify objects and count the number of objects in each category.</p> | |
| <p><u>Topics</u></p> <p>Number writing 0-10</p> <p>Sorting block by attribute (size, color, shape and thickness)</p> <p>Bar graph favorite colors</p> | <p><u>Approx # of weeks</u></p> <p>1 week</p> | <p><u>PA Standards</u></p> <p>CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p> <p>CC.2.4.K.A.4 Classify objects and count the number of objects in each category.</p> | <p><u>Assessment Anchors & Eligible Content</u></p> <p>NA</p> |

| <u>Topics</u> | <u>Approx # of weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Identifying numbers on a calculator Composing and decomposing number 5-10 | 1 week | CC.2.1.K.A.1 Know number names and write and recite the count sequence. CC.2.1.K.B.1 Use place value to compose and decompose numbers within 19 | NA |
| <u>Topics</u> | <u>Approx. # of Weeks</u> | <u>PA Standards</u> | <u>Assessment Anchors & Eligible Content</u> |
| Identify and count Teen numbers Combining pattern blocks to make a hexagon Building numbers with different combinations (Numbers 5-10) Use a pan balance to weigh (equal, heavy, lighter) Capacity (hold less, holds more, same amount, volume) Counting by 10's | 1 week | CC.2.1.K.B.1 Use place value to compose and decompose numbers within 19 CC.2.3.K.A.2 Analyze, compare, create, and compose two- and three-dimensional shapes. CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10. CC.2.4.K.A.1 Describe and compare attributes of length, area, weight, and capacity of everyday objects. | |

Standards Legend: Essential Important Supplementary