

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
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?
<p style="text-align: center;">Topics</p> <p style="text-align: center;">Ten Frames Addition and Subtraction Counting collections</p> <p style="text-align: center;">Rectangles Vertex, 4 sides, same length</p>	<p style="text-align: center;">Approx # of weeks</p> <p style="text-align: center;">1 week</p>	<p style="text-align: center;"><u>PA Standards</u></p> <p style="text-align: center;">CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p> <p style="text-align: center;">CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.</p> <p style="text-align: center;">CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and</p>	<p style="text-align: center;"><u>Assessment Anchors & Eligible Content</u></p> <p style="text-align: center;">NA</p>

		<p>quantities</p> <p>CC.2.1.K.B.1 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>
<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
<p><u>Topics</u></p> <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

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

		<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>

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

Standards Legend: Essential Important Supplementary