

Kindergarten Math Syllabus

Year	2019-2020
Required Resources	Envision Math Stations
Process Skills	<p>Establish purpose for math Purpose/connection to every day real life problems Questioning Monitor and adjust comprehension Numeracy, accuracy with 1 to 1 correspondence Monitor accuracy Develop problem solving strategies Ask relevant questions, seek clarification Use tools: objects, manipulatives, paper and pencil, technology, and techniques: mental math, estimation, and number sense when needed to solve problems Create, use, and communicate mathematical ideas and reasoning using representations, symbols, diagrams, graphs, and language Analyze, display, explain, and justify mathematical ideas using precise math terms using verbal or written communication Make sets using objects and pictures</p>



Kindergarten Math Syllabus

<p>Syllabus 1st Semester</p>	<p>1st Nine Weeks Introducing and Developing Numbers 0-5 and Reciting Numbers to 30 Count forward and backward to 5 Read, write, and represent numbers from 0-5 Identify pattern in number word list and recite numbers up to 30 by ones and tens beginning with any given number (12, 13, 14...) and (10, 20, 30)</p> <p>Introducing Contextual Sums and Minuends to 5 Solve word problems to find sums up to 5 and differences within 5 Explain strategies used to solve problems involving addition and subtraction within 5</p> <p>Introducing and Developing Numbers 6-10 and Reciting Numbers to 60 Count forward and backward to 10 Read, write, and represent numbers from 0-10 Identify pattern in number word list and recite numbers up to 60 by ones and tens beginning with any given number (57, 58, 59...) and (40, 50, 60)</p>
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Kindergarten Math Syllabus

2nd Nine Weeks

Contextual Sums and Minuends to 5

Solve word problems to find sums up to **5** and differences within **5**

Explain strategies used to solve problems involving addition and subtraction within **5**

Introducing and Developing Numbers 11-15 and Reciting Numbers to 90

Count forward and backward to **15**

Read, write, and represent numbers from **0-15**

Identify pattern in number word list and recite numbers up to **90** by ones and tens beginning with any given number (87, 88, 89...) and (70, 80, 90)

Introducing Contextual Sums and Minuends to 10

Solve word problems to find sums up to **10** and differences within **10**

Explain strategies to solve problems involving addition and subtraction within **10**



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<p>Syllabus 2nd Semester</p>	<p>3rd Nine Weeks Introducing and Developing Numbers 16-20 and Reciting Numbers to 100 Count forward and backward to 20 Read, write, and represent whole numbers from 0-20 Identify pattern in number word list and recite numbers up to 100 by ones and tens beginning with any number (97, 98, 99...) and (80, 90, 100)</p> <p>Contextual Sums and Minuends to 10 Solve word problems to find sums up to 10 and differences within 10 Explain strategies used to solve problems involving addition and subtraction within 10</p> <p>Geometry – Two-Dimensional Shapes Identify 2-dimensional shapes: circles, triangles, rectangles, and squares as special rectangles Identify attributes of 2-dimensional shapes using informal and formal geometric terms (angles, etc.)</p> <p>Geometry – Three-Dimensional Solids Identify 3-dimensional solids: cylinders, cones, spheres, and cubes in the real world Identify 2-dimensional components of 3-dimensional objects (the bottom of a cone is shaped like a circle)</p> 
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Kindergarten Math Syllabus

	<p>4th Nine Weeks</p> <p>Personal Financial Literacy Identify ways to earn income Understand the difference between money received as income and money received as gifts List simple skills required for jobs Identify the difference between needs, wants and income to meet one's needs and wants</p> <p>Coin Identification Identify U.S. coins by name (pennies, nickels, dimes, and quarters) and understand their use</p> <p>Measurable Attributes and Direct Comparisons Describe an attribute of a given object, including length, capacity, and weight Compare two objects to see which object has more or less of a specific attribute and describe the difference (the paper is 3 inches longer than the pen)</p> <p>Numeracy Mastery of Numbers to 20 and Reciting Numbers to 100</p>
	<p>Click on MackinVia to access sites. To access from home, students need to type in their school e-mail address: username@student.sisd.net</p> <p>Click on Databases-Britannica School to play math games on Learning Zone for PK-2 students</p> <p>Click on Categories to view eBooks about Math</p> <p>To access Clever go to my.sisd.net, your child will need to logon with their school username and password. Please see your child's teacher for their I-station login to use I-station Math.</p> <p>Click on Kahn Academy for practice with counting, place value, addition, subtraction, measurement, and geometry</p> <p>Under links, click on FunBrain to play games on Math Zone</p>

