

New Paltz Central School District

Mathematics
Kindergarten

TIME	CONTENT	SKILLS	ASSESSMENTS
<p>50-55</p>	<p>UNIT 4: Data Collection</p> <ul style="list-style-type: none"> • How do we collect data? • How can we represent data? <li style="text-align: center;">----- • Sorting and classifying data • Representing data 	<ul style="list-style-type: none"> • Develop and use strategies for counting • Relate counting to the quantity of items in a group • Use one-to-one correspondence • Explore two-to-one correspondence • Represent data in a variety of ways • Look at different representations of the same data set • Sort objects into groups by attribute • Describe categories for a sort • Sort a set of objects in more than one way • Note similarities and differences in related objects • Compose survey questions • Gather and record survey data • Compare the sizes of different groups in a survey • Make sense of the data representations • Solve a mathematical problem based on data • Build a model or make a representation to explain a problem-solving strategy • Count and compare sets of objects or people 	<ul style="list-style-type: none"> • Data Collection unit assessment • Teacher observation • Student discussion

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March - April	<p><u>UNIT 5: Geometry</u></p> <ul style="list-style-type: none"> • What shapes do you see around you? ----- • Familiarity with attributes of 2-D and 3-D shapes 	<ul style="list-style-type: none"> • Observe and describe two-dimensional shapes • Develop vocabulary to describe 2-D and 3-D shapes • Become familiar with the names of 2-D and 3-D shapes (circle, square, rectangle, triangle, sphere, pyramid, cube, rectangular prism) • Describe and become familiar with the attributes of 2-D shapes • Relate 2-D shapes to real world objects • Construct 2-D shapes • Find combinations of shapes that fill in a given area • Build knowledge about the relationships among pattern block shapes • Relate a 3-D object to a 2-D picture of its geometric shape • Picture the shape that will fit a particular space or design • Visualize how a shape needs to be moved or turned in order to fit into a particular space or design • Describe position of and spatial relationships among objects • Look at 3-D objects as wholes and as having parts • Observe similarities and differences between the faces of different 3-D shapes 	<ul style="list-style-type: none"> • Geometry unit assessment • Teacher observation • Student discussion

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May June	<p><u>UNIT 6: Number Sense and Operations</u></p> <ul style="list-style-type: none"> • Why do we count things? ----- • Strategies for combining and separating numbers 	<ul style="list-style-type: none"> • Count up to 20 objects • Represent quantities with pictures, numbers, and words • Repeat a nonstandard measure to quantify length • Become familiar with number combinations to 10 • Record a number of objects grouped using different strategies • Determine the larger of two amounts, up to 20 • Make sense of stories that involve combining and separating by acting them out and retelling them • Develop strategies for solving combining and separating story problems • Find the total of two quantities, up to 20 • Find the total of two or more single-digit numbers • Use pictures, numbers, and words to record solutions to a problem • Find combinations of numbers to 10 	<ul style="list-style-type: none"> • Number Sense and Operations unit assessment • End-of-Year Benchmark assessment • Teacher Observation • Student discussion