



NEISD Elementary Math Year at a Glance 2018 - 2019
Kindergarten

Fall Semester			
Unit Title	Number and Classroom Routines	Measurement	Geometry
Time	8 weeks	4 weeks	5 weeks
Big Ideas	<p>Counting tells how many things are in a set. When counting a set of objects, the last word in the counting sequence names the quantity.</p> <p>Numbers are related to each other through comparisons.</p> <p>Number concepts are intimately tied to operations with numbers based on situations in the world around us.</p> <p>Application of number relationships to problem solving marks the beginning of making sense of the world in a mathematical manner.</p>	<p>Measurement involves a comparison of an attribute of an item or situation with a unit that has the same attribute.</p> <p>Meaningful measurement and estimation of measurements depend on a personal familiarity with the unit of measure being used.</p>	<p>What makes shape alike and different can be determined by an array of geometric properties.</p> <p>Shapes can be seen from different perspectives.</p> <p>The ability to perceive shapes from different viewpoints help us understand relationships between two- and three-dimensional figures and mentally change the position and size of shapes.</p> <p>Shapes are all part of our environment.</p>
TEKS	K.2A K.2B K.2C K.2D K.2E K.2F K.2G K.2H K.5	K.2A K.2B K.2C K.2D K.2E K.2F K.2G K.2H K.7A K.7B	K.6A K.6B K.6C K.6D K.6E K.6F K.6G



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Spring Semester				
Unit Title	Personal Finance and Money	Composing and Decomposing Numbers	Data Analysis and Algebraic Reasoning	Addition and Subtraction
Time	2 weeks	6 weeks	5 weeks	8 weeks
Big Ideas	<p>Identifying ways to earn income and access to money will support one's ability to manage financial resources more effectively for a lifetime of financial security.</p> <p>Identifying the coins used in the United States to connect their understanding.</p>	<p>Number concepts are intimately tied to operations with numbers based on situations in the world around us.</p> <p>Application of number relationships to problem solving marks the beginning of making sense of the world in a mathematical manner.</p> <p>Provides a critical foundation for number fluency through the development of the concept of part-whole relationships.</p> <p>Sets of objects may be joined together to make a larger group. The two sets are the parts, and the whole is the larger set that is created.</p> <p>Sets of objects can also be broken into smaller subsets and still contain the total amount.</p> <p>When breaking apart a set (decomposing), students use the understanding that a small set of objects exists within the larger set (inclusion).</p>	<p>Logical patterns exist and are a regular occurrence in mathematics. They can be recognized, extended and generalized in both words and symbols.</p> <p>The same patterns can be found in different forms.</p> <p>Patterns are found in numbers.</p> <p>A collection of objects with various attributes can be classified or sorted in different ways.</p> <p>A single object can belong to more than one class. Classification is the first step in the organization of data.</p> <p>Data are gathered and organized in order to answer questions about the populations from which the data come. Inferences can be made about the population</p> <p>Different types of graphs and other data organizations provide different information about the data and, hence, the population from which the data were taken.</p>	<p>Number concepts are intimately tied to operations with numbers based on situations in the world around us.</p> <p>Application of number relationships to problem solving marks the beginning of making sense of the world in a mathematical manner.</p> <p>Provides a critical foundation for number fluency through the development of the concept of part-whole relationships.</p>
TEKS	K.4 K.9A K.9B K.9C K.9D	K.2A K.2B K.2C K.2D K.2E	K.5 K.8A K.8B K.8C	K.2I K.3A K.3B K.3C