

3rd Grade Math
PISD Curriculum: Year at a Glance

Bundle	<i>Title</i> Big Ideas/Enduring Understandings	Guiding Questions
1	<i>Graphing/ Place Value</i> Data can be collected and useful in everyday life. Place value is used to describe the value of whole numbers.	How can collecting data be useful? Why can data be displayed in more than one way? How can a graph be used to determine missing information? How do mathematicians determine the value of each digit within a number?
2	<i>Place Value/ Number Lines/ Addition/ Subtraction</i> Place value is used to describe the value of whole numbers. Learn how math is used in daily life.	What are some ways that place value can be used daily? Is there a time when place value will not be utilized? How do we subtract numbers when regrouping is necessary? How do we add when regrouping is necessary? How do you use number lines in everyday life?
3	<i>Addition/Subtraction/Rounding</i> Learn how math is used in daily life. Explore how estimation is used in daily life.	How do we subtract numbers when regrouping is necessary? How do we add when regrouping is necessary? Note: These two questions are building from bundle 2. How is estimation used in daily life? How do we apply estimation in different situations? When is an estimate better than an actual answer?
4	<i>Estimation/ Money/ Temperature/ Time</i> Explore how estimation is used in daily life. How to apply measurement skills in different situations?	How is estimation used in daily life? How do we apply estimation in different situations? When is an estimate better than an actual answer? Note: The above three questions are building from bundle 3. How is place value used when counting money? How is measurement used in everyday life? How can knowing how to measure improve your life?
5	<i>Weight/ Capacity/ Volume/ Length</i> How to apply measurement skills in various situations.	Why is it important to identify the best unit of measure? How are various measuring tools used? How can knowing how to measure improve your life?
6	<i>Length/ Perimeter</i> How to apply measurement skills in various situations.	What types of benchmarks can we use to help us measure? What units of measurement are used for length and perimeter?

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		How do we apply our knowledge of measurement to everyday life?
7	<i>Multiplication/Area</i> Explore the relationship between multiplication and addition.	How are multiplication and addition related? How can an array model be used to represent multiplication? How can multiplication be used in daily life?
8	<i>Division/ Patterned Tables / 2-Digit Multiplication/ Reasonableness</i> Explore the relationship between patterns in multiplication and division.	How are multiplication and division related? How can multiplication and division improve your life? How can finding patterns in numbers help in solving problems?
9	<i>Division/ Geometry</i> Explore the relationship between multiplication and addition. Explore to understand the basic concepts of geometry as related to the real world.	How are multiplication and addition related? How can an array model be used to represent multiplication? How can multiplication be used in daily life? Note: The 3 questions above are building from bundle #8. What attributes are related to 2-D figures? What attributes are related to 3-D figures? What are the differences between 2-D and 3-D shapes?
10	<i>Congruence/ Symmetry/ Fractions/ Probability</i> Explore to understand the basic concepts of geometry as related to the real world. Use fraction names and symbols to describe fractional parts of whole objects.	How is a line of symmetry identified? How are congruence and symmetry related? How can using congruence and symmetry help you in the real world? How is a fraction related to a whole? How many different ways can one fraction be represented? How do we use fractions in daily life?
11	<i>Place Value/ Estimation/ Patterns/ Measurement</i> Learn how math is used in daily life.	How is place value utilized in daily life? How can knowing how to measure improve your life? When are patterns useful?

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12	<i>Problem Solving/ Multiplication/ Division / Decimals</i> Learn how math is used in daily life.	When is multiplication used in problem solving? When is division used in problem solving? How are decimals used in daily life?