

TRI-COUNTY CHARTER SCHOOL PARTNERSHIP

**Power Standards  
Math - Kindergarten**

**STRAND A: NUMBER SENSE, CONCEPTS, AND OPERATIONS**

**Standard 1: The student understands the different ways numbers are represented and used in the real world.**

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*MA.A.1.1.1: The student associates verbal names, written word names, and standard numerals with the whole numbers less than 1000.*

1. counts up to 10 or more objects using verbal names and one-to-one correspondence.
2. reads and writes numerals to 10 or more.

*MA.A.1.1.2: The student understands the relative size of whole numbers between 0 and 1000.*

2. uses language such as *before* or *after* to describe relative position in a sequence of whole numbers on a number line up to 10 or more (for example, 4 is before 5, 5 is after 4).
3. compares two or more sets (up to 10 objects in each set) and identifies which set is equal to, more than, or less than the other.

**Standard 3: The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.**

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*MA.A.3.1.1: The student understands and explains the effects of addition and subtraction on whole numbers, including the inverse (opposite) relationship of the two operations.*

1. demonstrates and describes the effect of putting together and taking apart sets of objects (for example, 3 cubes and 4 cubes is 7 cubes).

**STRAND B: MEASUREMENT**

**Standard 3: The student estimates measurements in real-world problem situations.**

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*MA.B.3.1.1: The student, using a variety of strategies, estimates lengths, widths, time intervals, and money, and compares them to actual measurements.*

4. knows and compares the values of a penny (1 cent), nickel (5 cents), and dime (10 cents).

**STRAND C: GEOMETRY AND SPATIAL SENSE**

**Standard 1: The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.**

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*MA.C.1.1.1: The student understands and describes the characteristics of basic two- and three-dimensional shapes.*

1. knows two-dimensional shapes (for example, circles, squares, rectangles, triangles), describing similarities and differences.

**STRAND D: ALGEBRAIC THINKING**

**Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.**

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*MA.D.1.1.2: The student recognizes, extends, generalizes, and creates a wide variety of patterns and relationships using symbols and objects.*

1. predicts and extends existing patterns using concrete materials.

**STRAND E: DATA ANALYSIS AND PROBABILITY**

**Standard 1: The student understands and uses the tools of data analysis for managing information.**

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*MA.E.1.1.1: The student displays solutions to problems by generating, collecting, organizing, and analyzing data using simple graphs and charts.*

1. knows how to display answers to simple questions involving two categories or choices using concrete materials or pictures on a graph or chart (for example, in a class, number of boys and girls, students with buttons and students with no buttons).