

**Power Standards
Math – Second Grade**

STRAND A: NUMBER SENSE, CONCEPTS, AND OPERATIONS

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

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

1. reads and writes numerals to 1000 or more.

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

2. compares two or more numbers, to 1000 or more, and identifies which number is more than, equal to, or less than the other number.

MA.A.1.1.3: The student uses objects to represent whole numbers or commonly used fractions and relates these numbers to real-world situations.

1. represents real-world applications of whole numbers, to 1000 or more, using concrete materials, drawings, and symbols.

Standard 2: The student understands number systems.

MA.A.2.1.1: The student understands and applies of the concepts of counting (by 2s, 3s, 5s, 10s, 25, 50s), grouping, and place value with whole numbers between 0 and 100.

2. demonstrates the place value groupings of numbers to 1000 or more using concrete materials, pictures, and symbols.

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.

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.

4. adds and subtracts two-digit numbers with or without regrouping using models, concrete materials, and algorithms.

STRAND B: MEASUREMENT**Standard 1: The student measures quantities in the real-world and uses measures to solve problems.**

MA.B.1.1.1: The student uses and describes basic measurement concepts including length, weight, digital and analog time, temperature, and capacity.

2. Demonstrates an understanding of customary and metric measurement of length and distance, selecting appropriate units of measurement (for example, inches, feet, yards, centimeters, meters).

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

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

2. Estimates, measures, and compares the passage of time using minutes, half-hours, and hours.

3. Knows and compares amounts of money in coins, to one dollar or more.

STRAND C: GEOMETRY AND SPATIAL SENSE**Standard 1: The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.**

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

4. knows the names of two-dimensional and three-dimensional figures presented in various orientations in the environment.

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

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, extends, and creates patterns that are concrete, pictorial or numerical.

STRAND E: DATA ANALYSIS AND PROBABILITY**Standard 1: The student understands and uses the tools of data analysis for managing information.**

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

1. poses questions and collects data to answer questions with two, three, or more categories or choices (for example, favorite ice cream, left handed/right handed).