

Lake Washington School District
Teaching and Learning Framework

Second Grade

Mathematics

Power Standards | August 2007

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Number Sense

Power Standards	Evidence of Learning
1. Understand place value in whole numbers by:	Grouping and regrouping objects into 1s, 10s, and 100s and explain relationships among the values. (1.1.1)
2. Understand the meaning of addition and subtraction and how they relate to one another by:	Showing relationships between addition and subtraction to 100 using multiple strategies including physical models, diagrams, equations, and acting out problems. (1.1.5)
3. Understand and apply strategies and appropriate tools for adding/subtracting with whole numbers by:	Using mental math strategies to compute (e.g., composing/decomposing combinations, etc.) (1.1.6 and 1.1.7)

Measurement

Power Standards	Evidence of Learning
1. Understand and apply attributes to measure objects and time by:	Looking at an object and identifying the characteristics that are measurable (time, value of money, distance around, weight, length, and volume) (1.2.1)
2. Understand and apply procedures to measure with non-standard or standard units by:	Selecting and justifying the use of a unit and tool in a given situation Demonstrating accurate measurement procedure (time to 5 minutes, money – coins and bills, distance around, weight, length and volume to one cup) (1.2.4)
3. Understand how to estimate in measurement situations by:	Estimating length and weight using important benchmarks to make a reasonable estimate (1.2.6)

Geometric Sense

Power Standards	Evidence of Learning
1. Understand characteristics of two-dimensional geometric figures by:	Sorting and describing characteristics of two-dimensional geometric figures (e.g., various polygons) Drawing a two-dimensional shape that matches a set of characteristics (e.g., draw a four-sided shape that has all sides the same length) (1.3.2)
2. Understand the locations of numbers on a positive number line by:	Indicating whether a number is above or below a benchmark number (e.g., greater than, less than 1000) (1.3.3)

Probability and Statistics

Power Standards

1. Understand the organization of a graph by:

Evidence of Learning

Constructing graphs: bar graphs and pictographs that include key, title, single unit increments and labeled axes (1.4.3)

2. Understand how a display provides information about a question by:

Conducting a survey for a pre-determined question and collecting data using tallies, lists, or pictures

Interpreting results and drawing conclusions from displays using comparative language (more, fewer) (1.4.5)

Algebraic Sense

Power Standards

1. Understand how patterns are generated by:

Evidence of Learning

Identifying, extending, creating, and explaining patterns of addition and subtraction represented in charts and tables (1.5.1)

2. Understand the meaning of symbols and labels used to represent situations by:

Using number sentences with symbols and labels to represent real-world problems involving addition and subtraction (1.5.3)

3. Understand and apply strategies to solve for the unknown using addition and subtraction by:

Solving equations with an “unknown” and justifying the value (e.g., $6 + \square = 11$; $11 = \square + 6$) (1.5.6)