Lake Washington School District
Teaching and Learning Framework

Fourth Grade Mathematics

Power Standards | August 2007

Number Sense

Power Standards	Evidence of Learning
1. Understand the concepts of decimals (money) and fractions by:	Interpreting fractions and decimals as parts of a whole object, number, or set. (1.1.1)
2. Understand the meaning of addition and subtraction of like denominator fractions by:	Using models. (e.g., everyday objects, fraction circles, number lines, geoboards) (1.1.5)
3. Apply procedures of multiplication and division on whole numbers by:	Writing and solving multi-step problem situations. (addition, subtraction, multiplication, and division) (1.1.6)
4. Understand and apply the procedures for strategies involving multiplication and division on whole numbers by:	Selecting, justifying, and using appropriate strategies and tools. (mental computation, estimation, calculators, and paper and pencil) (1.1.7)

Measurement

Power Standards	Evidence of Learning
1. Understand the concept of area and perimeter by:	Demonstrating and explaining how area covers a shape and perimeter encloses a shape. (1.2.1)
2. Understand the differences between length units and area (square) units in U.S. or metric systems by:	Measuring perimeter for triangles, rectangles, and figures composed of rectangles. (1.2.2) Measuring area for rectangles and figures composed of rectangles. (1.2.2)
3. Understand how measurement units of time and weight are organized into systems by:	Using and correctly labeling the basic units of the metric and customary system. (1.2.3)

Geometric Sense

Power Standards	Evidence of Learning
1. Understand the concepts of parallel and perpendicular lines in two-dimensional shapes and figures. (1.3.1)	
2. Apply understanding of the location of points on a coordinate grid in the first quadrant by:	Plotting a given set of ordered pairs. (1.3.3)

Probability and Statistics

Power Standards	
1. Understand when events are certain or impossible; more likely, less likely, or equally likely. (1.4.1)	
2. Understand and apply data collection methods to obtain the desired information by:	Formulating the questions for surveys and collecting data. (1.4.3) Making a plan to answer a question including how to record and organize data. (1.4.3)

Probability and Statistics (continued)

Power Standards	Evidence of Learning
3. Understand and apply median and range to describe a set of data by:	Explaining what the median and range represent and how to find them in a set of data. (1.4.4)
4. Understand representations of data from line plots and pictographs by:	Reading and interpreting data. (1.4.5)

Algebraic Sense

Power Standards	Evidence of Learning
1. Understand a pattern to develop a rule which may include a single arithmetic operation by:	Using a rule to generate a pattern. (e.g., 4, 7, 10, __, ___) (1.5.2)
2. Understand and apply operation and relational symbols and notations to write expressions and equations involving multiplication and division. (e.g., 3 X 3 > 24 ÷ 6 is an expression, ☐ X 3 = 24 is an equation) (1.5.4)	