Kid friendly power standards

Power Standard 1

I need to understand, relate, and represent whole numbers up to 10,000 and fractions.

I can do this by:

- Identifying and using number patterns to solve problems.
- Counting by 10s and 100s.
- Applying place-value concepts in 4-digit numbers.
- Finding equivalent names for numbers.
- Identifying fractional parts of a set.
- Identifying fractional parts of a region.
- Solve equal grouping and equal sharing number stories.

I need to understand and know addition and subtraction with and without regrouping.

I can do this by:

- Knowing my addition and subtraction facts.
- Completing fact and number families.
- Adding multi-digit numbers.
- Subtracting multi-digit numbers.

I need to understand and know my multiplication facts fluently.

I can do this by:

- Completing multiplication/division fact families.
- Know multiplication facts from the first set of fact triangles.

I need to be able to make reasonable estimates.

I can do this by:

- Using a variety of strategies in measurement, problem solving, and computation.

Power Standard 2

I need to be able to represent and analyze problems using the distributive, commutative, associative, identity, and zero properties in addition, subtraction and multiplication.

I can do this by:

- Completing "What's My Rule" tables.

- Using basic facts to solve fact extensions

I need to be able to determine the value of variables in missing-part problems of addition and subtraction.

I can do this by:

- Completing "What's My Rule" tables.

- Using basic facts to solve fact extensions

Power Standard 3
I need to be able to predict and describe the results of sliding, flipping, turning two-dimensional shapes. I also need to be able to identify and describe the line of symmetry in two- and three-dimensional shapes.

I can do this by:

- Identify and explain 2-D shapes and 3-D solids.

- Identify and explain symmetric figures and draw lines of symmetry.

PS 4: Estimate, measure, and solve using a 90-degree angle, grid paper, and tiles to determine U.S. Customary system, metric system, length, area, weight, and degree of angles.

Power Standard 4

I need to recognize a 90-degree angle and use it as a strategy to estimate the size of other angles.

I can do this by:

- Identifying and defining right angles.

I need to be able to choose and use the appropriate units and measurement tools to quantify the properties of objects (e.g., length[ruler], width[ruler], or mass[balance]). I also need to be able to explore measuring length to fractional parts.

I can do this by:

- Measuring line segments to the nearest inch and ¼ inch.
- Measuring line segments to the nearest cm.
- Using the appropriate units of measure for length, weight, and capacity.

I need to be able to identify time to the nearest minute, elapse time, and relate time to everyday events.

I can do this by:

- Tell and show times to the nearest minute.

Power Standard 5
I need to be able to calculate the values of combinations of bills and coins and write the total in dollars-and-cents notation up to five dollars.

I can do this by:

- Calculating the values of combinations of bills and coins.
- Write money values using dollars and cents notation.

Power Standard 6

I need to be able to discuss and predict the degree of likelihood and probability of an event outcome using terminology such as certain, likely, and unlikely. I also need to be able to test and record outcomes, using data collected through observations, polls, and tally marks.

- Making a bar graph.
- Making a frequency table.
- Explaining and justifying my answers using pictures, numbers, and words (appropriate vocabulary).

I can do this by: