

UINTAH SCHOOL DISTRICT POWER STANDARDS

Kindergarten Power Standards

***** Understand and demonstrate knowledge of kindergarten Utah State Core math language and symbols**

- Recognize, compare, and order numbers 0 to 20
- Understand number concepts (0-20)
- Write numbers to 20 (in and out of sequence)
- Count to 30

First Grade Power Standards

***** Understand and demonstrate knowledge of first grade Utah State Core math language and symbols**

- Identify and use place value of ones & tens
- Count, read, and write to 100
- Addition facts to 20
- Write and understand addition and subtraction story problems
- Identify and add the same coins (nickel + nickel = 10)
- Tell time to hour and half hour

Second Grade Power Standards

***** Understand and demonstrate knowledge of second grade Utah State Core math language and symbols**

- Recognize, compare, order, and write numbers to 1000.
- Identify place and value of a given digit in a three-digit numeral.
- Memorize addition and subtraction facts to 20.
- Add and subtract two and three digit numbers with/without regrouping.
- Identify and use correct units of measurement (length, weight, capacity, time, money).
- Interpret/read information from tables, graphs, and tally marks.
Use unit fractions to identify parts of the whole and parts of the set.

Third Grade Power Standards

***** Understand and demonstrate knowledge of third grade Utah State Core math language and symbols**

- Read, write, represent and compare whole numbers and basic fractions.
- Adds and subtracts, including money, to 3 and 4 digits with regrouping
- Compute basic multiplication facts (0 – 10)
- Solves story problems involving addition, subtraction and multiplication
- Create, analyze and extend growing patterns
- Select and use appropriate tools and units to estimate and measure length, weight, capacity, and time (customary and metric)
- Collect, interpret, and organize data to make predictions

Fourth Grade Power Standards

*****Understand and demonstrate knowledge of fourth grade Utah State Core math language and symbols.**

- Multiply (3 digit by 2 digit) and divide (3 digit dividend by a one digit divisor) accurately showing mastery of multiplication facts 0-10
- Use, create, and understand graphs, charts, tables, and coordinate grids.
- Model understanding of equivalent fractions by adding and subtracting simple fractions where one single digit denominator is 1, 2, or 3 times the other.
- Select appropriate methods and tools for problem solving using estimation, mental math, , calculators, and paper and pencil.
- Understand place-value and be able to represent and compare whole numbers and decimals.
- Using variables write and solve equations to express single operation problems. Understand attributes and properties of geometric objects including the area and perimeter of rectangles and right triangles.

Fifth Grade Power Standards

***** Understand and demonstrate knowledge of fifth grade Utah State Core math language and symbols.**

Number Sense and Operations

- Read and write numbers in standard and expanded form from thousandths to one billion.
- Demonstrate multiple ways to represent whole numbers, decimals, fractions, percents, and integers using models and symbols.
- Add, subtract, multiply, and divide decimals and whole numbers. Add, subtract, and multiply fractions with like and unlike denominators.

Patterns Within Problem Solving

- Use of order of operations involving addition, subtraction, multiplication, division and parenthesis in solving multiple step problems.
- Write and solve simple algebraic equations and inequalities with whole number solutions (e.g., $6x = 54$; $x + 3 = 7$).

Statistics & Data

- Create and analyze data, types of probability, and statistics using appropriate graphs.

Geometry & Measurement

- Classify and identify attributes of solids and be able to determine surface area and volume.
- Determine area of regular and irregular polygons (using different units of measurements)

Sixth Grade

- Students will evaluate numerical expressions with powers and exponents using order of operations.
- Students will find the sum, difference, product and quotient of integers.
- Students will use ratios, proportions and percents.
- Students will find the sum, difference, product and quotient of fractions.
- Students will find capacity, length and mass using customary and metric systems.

Seventh Grade

- Students will simplify and evaluate algebraic expressions using order of operations with rational numbers.
- Students will solve one and two step equations using integers.
- Students will evaluate ratios, rates and scales using scale models.
- Students will find the sum, difference, product and quotient using rational numbers including fractions, percents and decimals.
- Students will find perimeter, surface area and volume.

Pre-Algebra

- Students will solve one and two step equations using rational numbers.
- Students will use the Distributive Property forwards to simplify and factor algebraic and numeric expressions.
- Students will use Order of Operations to simplify and evaluate numeric and algebraic expressions including rational numbers.
- Students will be able to graph lines and determine the slope through various methods.
- Students will demonstrate the ability to apply and interpret statistical data and probability.