

## Language Arts: Grades 3-6

8 Standards	Third	Fourth	Fifth	Sixth
<b>I. Oral Language:</b> Communicating through listening, speaking, viewing, and presenting	Develop language through: listening and speaking Media and presenting	Develop language through: listening and speaking Media and presenting	Develop language through: listening and speaking Media and presenting	Develop language through: listening and speaking Media and presenting
<b>II. Concepts of Print:</b> How printed language works	See K-1	See K-1	See K-1	See K-1
<b>III. Phonological and Phonemic Awareness:</b> Develop awareness	See K-1	See K-1	See K-1	See K-1
<b>IV. Phonics and spelling:</b> Strategies to decode and spell unfamiliar words	Demonstrate an understanding of the relationship between letters and sounds. See K-2  Use structural analysis to decode words. See K-2  Spell words correctly  Use spelling strategies to achieve accuracy	Demonstrate and understanding of the relationship between letters and sounds. See K-2  Use structural analysis to decode words. See K-2  Spell words correctly  Use spelling strategies to achieve accuracy	Demonstrate and understanding of the relationship between letters and sounds. See K-2  Use structural analysis to decode words. See K-2  Spell words correctly  Use spelling strategies to achieve accuracy	Demonstrate and understanding of the relationship between letters and sounds. See K-2  Use structural analysis to decode words. See K-2  Spell words correctly – <b>Greek and Latin roots and affixes</b> Use spelling strategies to achieve accuracy
<b>V. Fluency:</b> Read aloud grade level text w/o hesitation	Read aloud grade level text – Speed and accuracy Effortlessly with clarity	Read aloud grade level text – Speed and accuracy Effortlessly with clarity	Read aloud grade level text – Speed and accuracy Effortlessly with clarity	Read aloud grade level text – Speed and accuracy Effortlessly with clarity
<b>VI. Vocabulary:</b> Learn and use grade level vocabulary	Learn new words through listening and reading widely - e.g., from social studies, math.  Relate new words to known words/concepts – <b>e.g., planets, spinners, etc.</b>  Structural analysis and context clues to determine meanings of words – synonyms, antonyms, homonyms, and multiple-meaning words	Learn new words through listening and reading widely - e.g., from social studies, math.  Relate new words to known words/concepts – <b>e.g., settlers: Indians, pioneers, farmers</b>  Structural analysis and context clues to determine meanings of words – synonyms, antonyms, homonyms, and multiple-meaning words	Learn new words through listening and reading widely - e.g., from social studies, math.  Relate new words to known words/concepts – <b>e.g., ambassador, official, representative</b>  Structural analysis and context clues to determine meanings of words – synonyms, antonyms, homonyms, and multiple-meaning words	Learn new words through listening and reading widely - e.g., from social studies, math.  Relate new words to known words/concepts – <b>e.g., colonization: exploration, migrate, settlement</b>  Structural analysis and context clues to determine meanings of words – synonyms, antonyms, homonyms, and multiple-meaning words

Language Arts - cont.	Third	Fourth	Fifth	Sixth
<p><b>VII. Comprehension:</b> Understand, interpret and analyze narrative and informational grade level text</p>	<p>Identify purposes of text.</p> <p>Apply strategies to comprehend text.</p> <p>Recognize and use features of narrative and informational text – Id characters, setting, sequence, problem/resolution</p> <p>Genres – fairy tales, poems, realistic fiction, fantasy, fables, folk tales, tall tales, biographies, historical fiction</p> <p>Informational text – charts, diagrams, newspapers, textbooks, etc.</p>	<p>Identify purposes of text.</p> <p>Apply strategies to comprehend text.</p> <p>Recognize and use features of narrative and informational text – Id characters, setting, sequence, problem/resolution</p> <p>Genres – fairy tales, poems, realistic fiction, fantasy, fables, folk tales, tall tales, biographies, historical fiction</p> <p>Informational text – charts, diagrams, newspapers, textbooks, etc.</p>	<p>Identify purposes of text.</p> <p>Apply strategies to comprehend text.</p> <p>Recognize and use features of narrative and informational text – Id characters, setting, sequence, problem/resolution</p> <p>Genres – fairy tales, poems, realistic fiction, fantasy, fables, folk tales, tall tales, biographies, historical fiction, <b>science fiction</b></p> <p>Informational text – charts, diagrams, newspapers, textbooks, <b>Internet</b>, etc.</p>	<p>Identify purposes of text.</p> <p>Apply strategies to comprehend text.</p> <p>Recognize and use features of narrative and informational text – Id characters, setting, sequence, problem/resolution</p> <p>Genres – fairy tales, poems, realistic fiction, fantasy, fables, folk tales, tall tales, biographies, historical fiction, science fiction, <b>myths, legends</b></p> <p>Informational text – charts, diagrams, newspapers, textbooks, Internet, etc.</p>
<p><b>VIII. Writing:</b> Write daily to communicate effectively</p>	<p>Pre-writing – gather and organize information and ideas.</p> <p>Draft ideas – organization, voice, word choice</p> <p>Revise by elaborating and clarifying draft</p> <p>Edit draft for conventions</p> <p>Fluent and legible handwriting – cursive</p> <p>Write in various forms and genres – letters, journals, stories, essays, poetry, etc.</p>	<p>Pre-writing – gather and organize information and ideas.</p> <p>Draft ideas – organization, voice, word choice</p> <p>Revise by elaborating and clarifying draft</p> <p>Edit draft for conventions</p> <p>Fluent and legible handwriting – cursive</p> <p>Write/produce in various forms and genres – letters, journals, stories, essays, poetry, simple <b>PowerPoint</b>, etc.</p>	<p>Pre-writing – gather and organize information and ideas.</p> <p>Draft ideas – organization, voice, word choice</p> <p>Revise by elaborating and clarifying draft</p> <p>Edit draft for conventions</p> <p>Fluent and legible handwriting – cursive</p> <p>Write/produce in various forms and genres – letters, journals, stories, essays, poetry, simple PowerPoint, <b>TV scripts</b> etc.</p>	<p>Pre-writing – gather and organize information and ideas.</p> <p>Draft ideas – organization, voice, word choice</p> <p>Revise by elaborating and clarifying draft</p> <p>Edit draft for conventions</p> <p>Fluent and legible handwriting – cursive</p> <p>Write/produce in various forms and genres – letters, journals, stories, essays, poetry, simple PowerPoint, TV scripts, <b>web pages</b>, etc.</p>

## Mathematics: Grades 3-6

5 Standards	Third	Fourth	Fifth	Sixth
<p><b>I. Number Sense: Students will continue to expand skills and understanding.</b></p>	<p>Base-ten system (<b>to 10,000</b>), place value, simple fractions, operations with whole numbers</p> <p>Represent whole numbers up to 10,000, comprehend place value concepts, and identify relationships among whole numbers using base-ten models and symbolic notation</p> <p>Use fractions to describe and compare parts of the whole</p> <p>Model problems involving addition, subtraction, multiplication, and division.</p> <p>Compute and solve problems involving addition and subtraction of 3- and 4-digit numbers and basic facts of multiplication and division.</p>	<p>Represent and model whole numbers and decimals from hundredths to one million, and fractions (fifths, tenths), square numbers</p> <p>Analyze relationships among whole numbers, common fractions and decimals to hundredths.</p> <p>Model and illustrate meanings of multiplication and division of whole numbers and the addition and subtraction of fractions.</p> <p>Solve and compute problems in a number of ways (estimation, mental math, paper and pencil, calculator, etc.)</p> <p>Compute problems involving multiplication and division of whole numbers and addition and subtraction of simple fractions and decimals.</p>	<p>Represent whole numbers and decimals from thousandths to one billion, fractions, percents, and integers.</p> <p>Relationships and equivalencies among integers, fractions, decimals, and percents.</p> <p>Use number theory concepts to develop and use divisibility tests; classify whole numbers to 50 as prime, composite, or neither; and find common multiples and factors.</p> <p>Model and illustrate meanings of multiplication and division.</p> <p>Solve problems involving one or two operations.</p> <p>Demonstrate proficiency with multiplication and division of whole numbers and compute problems involving addition, subtraction, and multiplication of decimals and fractions.</p>	<p>Represent rational number in a variety of ways.</p> <p>Relationships and equivalencies among rational numbers.</p> <p>Number theory concepts to find prime factorizations, least common multiples, greatest common factors.</p> <p>Model and illustrate meanings of operations</p> <p>Multiple step problems</p> <p>Four operations (+, -, *, /) with positive rational numbers and with addition and subtraction of integers.</p>
<p><b>II. Use patterns, relationships, and algebraic expressions to represent &amp; analyze mathematical</b></p>	<p>Patterns, symbols, operations, properties of addition and multiplication to represent and describe simple number relationships</p>	<p>Identify, analyze and determine rules for describing numerical patterns involving operations and non-numerical growing patterns.</p>	<p>Identify, analyze and determine a rule for predicting and extending numerical patterns involving operations with whole numbers, decimals, and fractions.</p>	<p>Analyze algebraic expressions, tables, and graphs to determine patterns, relationships and rules.</p>

<b>problems and number relationships</b>	<p>Create, represent and analyze growing patterns.</p> <p>Recognize, represent, and simplify simple number relationships using symbols, operations, and properties.</p>	<p>Use algebraic expressions, symbols, and properties of the operations to represent, simplify, and solve mathematical equations and inequalities.</p>	<p>Use algebraic expressions, inequalities, or equations to represent and solve simple real-world problems.</p>	<p>Write interpret, and use mathematical expressions, equations, and formulas to represent and solve problems that correspond to given situations.</p>
<b>III. Use spatial and logical reasoning to recognize, describe and analyze geometric shapes and principles</b>	<p>Describe and analyze attributes of two-dimensional shapes</p> <p>Demonstrate the meaning of congruence through applying transformations – reflection, translation, rotation</p>	<p>Attributes of two-dimensional geometric shapes</p> <p>Specify locations using grids and maps.</p> <p>Visualize and identify geometric shapes after applying transformations.</p>	<p>Describe relationships between two- and three-dimensional shapes and analyze attributes and properties of geometric shapes.</p> <p>Specify locations in a coordinate plane.</p>	<p>Identify and analyze attributes and properties of geometric shapes to solve problems.</p> <p>Visualize and identify geometric shapes after applying transformations on a coordinate plane.</p>
<b>IV. Units of measure, appropriate measurement tools</b>	<p>Select and use appropriate units and measurement tools to solve problems – length, weight, capacity, time, perimeter</p> <p>Solve problems involving measurements.</p>	<p>Relationships among units of measure for length, capacity, and weight, and determine measurements of angles using appropriate tools.</p> <p>Recognize and describe area as a measurable attribute of two-dimensional shapes and calculate area measurements.</p>	<p>Determine the area of polygons and apply to real-world problems.</p> <p>Recognize, describe, and determine surface area and volume of three-dimensional shapes.</p>	<p>Describe and find the circumference and area of a circle.</p> <p>Identify and describe measurable attributes of objects and units of measurement, and solve problems involving measurement.</p>
<b>V. Collect, analyze, draw conclusions, and make predictions from data and apply basic concepts of probability.</b>	<p>Collect, organize display data to make predictions (pictographs, bar graphs, frequency tables, line plots)</p> <p>Identify basic concepts of probability (terms – certain, likely, unlikely, impossible)</p>	<p>Collect, organize, and display data to answer questions.</p> <p>Describe and predict simple random outcomes.</p>	<p>Formulate and answer questions using statistical methods to compare data, and propose and justify inferences based on data. Identify and calculate mean, median, mode, and range.</p> <p>Apply basic concepts of probability</p>	<p>Design investigations to reach conclusions using statistical methods to make inferences based on data.</p> <p>Apply basic concepts of probability and justify outcomes.</p>

### Social Studies: Grades 3-6

Standard	Third	Fourth	Fifth	Sixth
I.	Students will understand how geography influences community location and development.	Students will understand the relationship between the physical geography in Utah and human life.	Students will understand how the exploration and colonization of North America transformed human history.	Students will understand how ancient civilizations developed and how they contributed to the current state of the world.
II.	Students will understand cultural factors that shape a community.	Students will understand how Utah's history has been shaped by many diverse people, events, and ideas.	Students will understand the chronology and significance of key events leading to self-government.	Students will understand the transformation of cultures during the Middle Ages and the Renaissance and the impact of this transformation on modern times.
III.	Students will understand the principles of civic responsibility in classroom, community, and country.	Students will understand the roles of civic life, politics, and government in the lives of Utah citizens.	Students will understand the rights and responsibilities guaranteed in the United States Constitution and Bill of Rights.	Students will understand how revolutions have had an impact on the modern world.
IV.			Students will understand that the 19th century was a time of incredible change for the United States, including geographic expansion, constitutional crisis, and economic growth.	Students will understand current global issues and their rights and responsibilities in the interconnected world.
V.			Students will address the causes, consequences and implications of the emergence of the United States as a world power.	

### Science: Grades 3-6

Standard	Third	Fourth	Fifth	Sixth
I.	Appearance of Earth and moon	Water Cycle	Chemical and physical changes in matter	Changes in appearance of the moon
II.	Organisms and living and non-living things in the environment	Elements of weather – observation, measurement, recording, prediction	Earth's changing surface – volcanoes, earthquakes, uplift, weathering, erosion	Earth's tilt changes length of daylight and creates seasons
III.	Force and motion	Properties of rocks, Soil formation	Magnetism	Relationship and attributes of objects in the solar system
IV.	Gravity as a force	Fossils – formation, Utah locations	Static and current electricity	Scale, size, distance, motion in the universe and how cultures have understood, related to and used objects in the night sky.
V.	Sun as the main source of heat and light for the earth	Utah's wetlands, forests, deserts	Heredity – traits, survival advantage	Microorganisms – simple to complex, helpful and harmful