

Science (Continued)

- Describe how some characteristics could give a species a survival advantage in a particular environment

Social Studies

- Explain why and by whom the early United States was colonized
- Describe the rights and responsibilities held by different groups of people during the colonial period
- Describe the events that led to the Revolutionary War and how the colonies came together and ratified the Constitution
- Explain the rights and responsibilities of citizens of the United States and demonstrate how to be a good citizen of our country
- Explain why the United States is a compound constitutional republic
- Explain how the Constitution has been amended over time and why it has been necessary
- Explain how the United States grew, became industrialized, and moved westward, increasing the size of our country
- Explain why the United States fought the Civil War and what happened to the country afterward
- Describe the changes to our country when the United States became industrialized and how we became a superpower
- Produce a multimedia presentation showing the important events of the United States in the 20th century

Fine Arts

- Analyze and reflect on significant works of art and explore a variety of art materials, techniques, and processes
- Identify, demonstrate, and create the movement elements in dance
- Examine, demonstrate, and create simple rhythmic and melodic patterns, tempos, dynamics, and pitches in music
- Develop and incorporate expressive voice, emotional recall, body awareness, and spatial perception in performances

Library Media

- Create a call number for a fiction and a biography book
- Review Destiny, Pioneer, World Book, and other reference materials
- Locate information on a topic from a variety of sources
- Understand how to create a bibliography

Health Education

- Understand ways to have a healthy self through nutrition and fitness

Physical Education

- Demonstrate knowledge of skills needed to perform P.E. activities

Technology

- Demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology
- Use appropriate digital tools and critical thinking to plan and conduct research, manage projects, solve problems, and make informed decisions
- Understand human, cultural, and societal issues related to technology
- Advocate and practice legal, ethical, and responsible use of technology
- Demonstrate understanding of technology concepts, systems, and operations

Utah Core Curriculum

Fifth Grade

A Parent's Guide to Student Learning



For more information about the Utah Core Standards, please visit:

www.uen.org/core



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Language Arts

Speaking and Listening

- Be prepared, stay on topic, pose, respond, and elaborate on others' remarks
- Explain how speakers support claims
- Support main ideas using facts, details, and sequencing ideas for presentations
- Speak in an audible, clear voice at appropriate pace, adapting speech to contexts and tasks, and use formal English
- Summarize a written text and points made by a speaker
- Include multimedia components

Word Study – Vocabulary/Spelling

- Use syllable patterns, base and root words, and Greek and Latin prefixes and suffixes to decode unfamiliar words

Fluency with Expression

- Read accurately with purpose, at appropriate rate, using expression

Comprehension

- Quote accurately and draw inferences
- Describe theme/main idea and supporting key details, characters, setting, events, and scientific procedures
- Explain meanings in mythology
- Use/explain general academic and content specific vocabulary accurately
- Compare/contrast structures of poems, drama, and prose
- Describe/use informational text structures and text features
- Explain point of view, first/third person, and first/secondhand accounts
- Explain how authors use reasons and evidence to support points in text
- Combine information from two texts on the same topic to present knowledgeably
- Explain how chapters, scenes, or stanzas fit together

Informative/Explanatory Writing

- Convey information about topics/texts clearly, create paragraphs, categories, and sections, use text features, facts, concrete details, quotations, linking words, content-specific vocabulary, and provide a conclusion

Opinion Writing

- State an opinion about topics/texts, create an organizational structure, use facts/details from texts, group related ideas together to support purpose, use linking words to connect opinion and reasons, and provide a conclusion

Narrative Writing

- Develop real or imagined experiences using effective technique, descriptions, sensory details, and clear event sequences, establish situation, characters/narrators, provide dialogue, descriptions of actions, thoughts, feelings, transitional words for sequencing, and provide a conclusion

Handwriting

- Write all letters in cursive, holding pencil correctly, using correct strokes, with general neatness

Language Components

- Explain and use underlining, quotation marks, italics, commas, capitalization, perfect verb tenses, correlative conjunctions, prepositions, interjections, similes, metaphors, idioms, adages, proverbs, synonyms, antonyms, and homographs
- Use common Greek & Latin affixes and base/root words
- Use capitalization, quotation marks, and commas correctly
- Consult reference materials

Mathematics

Operations and Algebraic Thinking

- Write and interpret numerical expressions
- Analyze patterns and relationships

Number and Operations in Base Ten

- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths

Number and Operations—Fractions

- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions

Measurement and Data

- Convert like measurement units within a given measurement system
- Represent and interpret data
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition

Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems
- Classify two-dimensional figures into categories based on their properties

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

Science

- Understand that matter is not created or destroyed, though it may undergo change
- Evaluate evidence of physical changes in matter
- Investigate evidence of chemical changes in matter
- Describe how weathering and erosion changes Earth's surface
- Explain how volcanoes, earthquakes, and uplift affect Earth's surface
- Relate the building up and breaking down of Earth's surface over time to various physical land features
- Investigate and compare the behavior of magnetism using magnets
- Describe how the magnetic field of Earth and a magnet are similar
- Describe the behavior of static electricity as observed in nature and everyday occurrences
- Analyze the behavior of current electricity
- Show evidence of traits transferred from a parent to its offspring