

## Science (Continued)

- Describe Utah fossils and explain how they were formed
- Explain how fossils can be used to make inferences about past life, climate, geology, and environments
- Describe the physical characteristics of Utah's wetlands, forests, and deserts
- Describe the common plants and animals found in Utah and how they have adapted to the environments in which they live
- Classify Utah plants and animals
- Observe and record the behavior of Utah animals

## Social Studies

- Explain how geography impacts the state of Utah and how the people of Utah impact its geography
- Describe how Utah's history has been shaped by many diverse people, events, and ideas
- Tell and write about the diversity of people in Utah
- Make a timeline showing the history of Utah and how it has changed over time
- Describe the development of Utah's economy
- Explain state and city governments in Utah and how government helps the people of Utah
- Describe and show how to be a good citizen of the state of Utah

## 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 use of voice, emotional recall, body awareness, and spatial perception in performances

## Health Education

- Understand healthy eating habits and exercise will increase physical and mental wellness

## Physical Education

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

## Library Media

- Increase understanding and use of the Dewey Decimals system
- Understand how to find a call number and then locate books on the shelf
- Increase use of online resources: Destiny, World Book, and Pioneer
- Understand and use reference resources: almanac, thesaurus, atlas, etc.

## 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

For more information about the Utah Core Standards, please visit:  
[www.uen.org/core](http://www.uen.org/core)



7387 South Campus View Drive West Jordan, UT 84084

# Utah Core Curriculum

## Fourth Grade

### *A Parent's Guide to Student Learning*



## Language Arts

### Speaking and Listening

- Be prepared, stay on topic, contribute ideas, and paraphrase
- Identify a speaker's reasons/evidence
- Organize reports/presentations using relevant details to support main ideas
- Speak in an audible, clear voice
- Differentiate between formal and informal language
- Create audio and visual displays

### Word Study – Vocabulary/Spelling

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

### Fluency with Expression

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

### Comprehension

- Draw inferences using details and examples in texts
- Determine theme, main idea, and supportive key details in texts
- Describe procedures/concepts in technical, historical, and scientific texts
- Use/explain general academic and content specific vocabulary correctly
- Compare and contrast structures of poems, drama, and prose
- Describe informational text structures
- Use text features to gain information
- Explain point of view, first/third person, and first/secondhand accounts
- Describe how authors use elements and structures

### Informative/Explanatory Writing

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

- Speak and write using relative adverbs, progressive verb tenses, modal auxiliaries (helping verbs) and correct order of adjectives
- Use capitalization, quotation marks, and commas in coordinating conjunctions and compound sentences correctly
- Explain similes, metaphors, idioms, adages, proverbs, antonyms, and synonyms
- Use formal/informal English
- Use Greek and Latin affixes and bases/roots
- Consult reference materials

## Mathematics

### Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve problems
- Gain familiarity with factors and multiples
- Generate and analyze patterns

### Number and Operations in Base Ten

- Generalize place value understanding for multi-digit whole numbers
- Use place value understanding and properties of operations to perform multi-digit arithmetic

### Number and Operations—Fractions

- Extend understanding of fraction equivalence and ordering
- Build fractions from unit fractions by applying and extending previous

understandings of operations on whole numbers

- Understand decimal notation for fractions, and compare decimal fractions

### Measurement and Data

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit
- Represent and interpret data
- Understand concepts of angles and measure angles

### Geometry

- Draw and identify lines and angles
- Classify shapes by properties of their lines and angles

### 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

- Describe the relationship between heat energy, evaporation, and condensation of water on Earth
- Describe the water cycle
- Observe, measure, and record the basic elements of weather
- Interpret recorded weather data for simple patterns
- Evaluate weather predictions based upon observational data
- Identify basic properties of minerals and rocks
- Explain how the processes of weathering and erosion change and move materials that become soil
- Observe the basic components of soil and explain how they relate to plant growth