



# SLCSD Fourth Grade Learning Guide 2021-2022

---

## Language Arts

To provide a foundation for college and career readiness, fourth graders need to build the stamina and skills to read challenging fiction, nonfiction and other materials over longer periods of time. They are learning more about the world through reading more complicated stories and poems from different cultures and a range of stories and books on history, science, art and music. Using correct grammar and punctuation, they write effective summaries, book reports and descriptions of characters and/or events. Fourth grade students will:

- Understand a range of grade-level stories, poems and informational texts including biographies, articles and books on history, science, and arts.
- Compare ideas, characters, events, settings and themes in stories and myths from different cultures.
- Understand how to use text features to understand the main and supporting ideas; compare and contrast information; and explain how the author uses facts, details, and evidence to support particular points.
- Use evidence presented in books and online to independently conduct and present short research projects on different aspects of a topic.
- Paraphrase and respond to information presented in discussions; compare and contrast ideas; and analyze evidence used by speakers to support their points.

## Mathematics

Fourth grade students will engage in a variety of learning activities that develop the understanding, skills and practices needed to use math effectively in school, on the job and in life. Students will increase their ability to articulate their reasoning, use multiple models and strategies to think flexibly about concepts and persevere in solving problems. Students will notice patterns and structures embedded in problems and communicate with others using clear mathematical language. Fourth grade students will:

- Generalize understanding of place value with numbers up to 1,000,000. Read, write, compare, and round numbers up to one billion.
- Develop understanding and fluency with multi-digit multiplication using various strategies and models.
- Use understanding of place value and properties of operations to solve problems and perform multi-digit addition, subtraction, multiplication and division limited to a one-digit divisor.
- Develop an understanding of equivalent fractions, compare fractions, add and subtract fractions and mixed numbers with like denominators and multiply fractions by whole numbers.
- Express a fraction with a denominator of 10 or 100 as a decimal number, add two fractions with denominators of 10 and 100 and compare decimal numbers to hundredths.
- Analyze and classify geometric shapes based on their properties such as parallel sides, perpendicular sides, angle measures and symmetry.

## Science

The Science with Engineering Educational (SEEd) Standards provide opportunities for fourth-grade students to:

- Construct an explanation of how structures support growth, behavior, and survival in both plants and animals.
- Analyze and interpret data from fossils to provide evidence of stability and change in ancient organisms and environments.
- Plan and carry out an investigation to gather evidence that energy can be transferred from place to place by sound, light, heat, and electrical currents.
- Analyze data and construct explanations for how the Sun and Earth interact.
- Design solutions to problems that exist in these areas.

## Social Studies

Social Studies provides students an opportunity to learn about themselves, their community and the world. As students engage in social studies, they develop civic competence and learn about various cultures, history, geography and economics. Fourth grade students will:

- Understand the relationship between the physical geography in Utah and human life.
- Examine how Utah's history has been shaped by many diverse people, events and ideas over time.
- Investigate economic development in Utah.
- Study the organization and responsibilities of Utah government and the rights and responsibilities of citizens.

### **Digital Learning**

In a world where technology is playing an ever-increasing role, it is necessary for students to learn how to access and use technology to accomplish a variety of tasks. Fourth grade students will:

- Create a multimedia product and work cooperatively on a project with a group.
- Use technology tools and the Internet to find information.
- Evaluate appropriateness and validity of information resources and technology.
- Discuss basic issues related to responsible use of technology and safety on the Internet.
- Learn to keyboard using proper technique.
- Use Canvas LMS as a learning tool, submit assignments, and collaborate with teacher and peers.

### **Fine Arts**

The study of dance, music, theatre and visual arts helps students explore realities, relationships, and ideas that cannot be expressed simply in words or numbers. The study of Fine Arts centers on discovering the joy, richness, and depth of the arts through active involvement with the art form and is a critical element of a well-rounded education. Students will:

- CREATE by conceptualizing, generating, developing, and organizing artistic ideas and work. They will complete and refine dramatic, dance, musical and visual art works.
- PERFORM by analyzing, interpreting, and selecting artistic work for performance. They will develop techniques and concepts to refine artistic work and express meaning through presentation.
- RESPOND by perceiving and analyzing artistic work and processes. They will interpret intent and meaning and apply criteria for evaluation.
- CONNECT by synthesizing and relating knowledge from personal and collaborative experiences to make and receive art. They will relate artistic ideas and works with societal, cultural, and historical context to deepen understanding.

### **Healthy Lifestyles and Physical Education**

Research shows that healthy, fit kids learn best, and that exercise has a positive impact on brain chemistry and function. Fourth grade students will:

- Understand how to prevent substance abuse and communicable diseases including HIV/AIDS.
- Learn about personal safety and injury prevention.
- Practice good nutrition, fitness and consumer health.
- Participate in daily sustained individual and group physical activities.

### **Library Media**

The school library program is critical to the learning process. In our information-rich world, students must be able to find, evaluate, and use information from a variety of sources. All students need to be able to make informed decisions and be critical consumers of information. They must also have the ability to communicate that information in ethical and appropriate ways. In our school library learning centers, Library Technology Teachers teach the *Utah Core Standards for Library Media* and help students learn to find and read books that they enjoy from a wide range of topics. Fourth grade students will:

- Choose books that support their independent reading interests and discuss connections to their lives.
- Understand plagiarism and learn to cite sources of information appropriately.
- Demonstrate the ability to locate materials using online catalogs and databases.
- Engage with information using reading, listening, and viewing strategies guided by questions and prior knowledge.