



Theme: Water (grades 3-5)

Sub Theme: Where does our water come from?

Nevada State Standards

Objectives:

- Students will examine water make-up.
- Students will explore water filtration.
- Students will get an understanding of ground water.
- Students will visualize the water cycle.
- Students will get a better understanding of becoming water stewards.

Nevada State Standards

English Language Arts

- 6.3.1 Generate possible ideas for future writing through group activities, such as brainstorming and discussions.
- 6.4.1 Organize ideas through activities that draw upon sequencing and classifying skills.
- 8.3.1 Retell and explain what has been said by a speaker.
- 8.3.2 Listen to connect prior experiences, insights, and ideas to the message of a speaker.
- 8.3.3 Follow three- and four-step oral directions to complete a simple task.
- 8.4.4 Follow oral directions to complete a complex task.
- 9.3.1 Use specific vocabulary and apply standard English to communicate ideas.
- 8.4.4 Select and use varied vocabulary and apply standard English to communicate ideas.
- 9.3.2 Use appropriate public speaking techniques such as volume control and eye contact.
- 9.4.2 Select and use appropriate public speaking techniques such as rate, pace, and enunciation.
- 9.3.3 Present ideas and supporting details in a logical sequence with a beginning, middle, and ending.
- 9.4.3 Give organized presentations that demonstrate a clear viewpoint.
- 9.3.4 Give clear three- and four-step directions to complete a simple task.
- 9.4.4 Give clear and concise directions to complete a task.
- 10.3.1 Speak and listen attentively in conversations and group discussions.
- 10.4.1 Contribute to and listen attentively in conversations and group discussions.
- 10.3.2 Ask pertinent questions; respond to questions with relevant details.

- 10.4.2 Ask and answer questions with relevant details to clarify ideas.
- 10.3.3 Share ideas and information to complete a task.
- 10.4.3 Share ideas, opinions, and information clearly and effectively.
- 11.3.5 Present research findings for different purposes and audiences.
- 11.4.5 Present research findings for different purposes and audiences using various media.

Mathematics

- 1.4.7 Use estimation to determine the reasonableness of an answer.
- 3.3.2 Select and use appropriate units of measurement; measure to a required degree of accuracy, and record results.

Science

- N.5.A.1 Students know scientific progress is made by conducting careful investigations, recording data, and communicating the results in an accurate method.
- N.8.A.3 Students know how to draw conclusions from scientific evidence.
- N.5.A.5 Students know how to plan and conduct a safe and simple investigation.
- N.5.A.6 Students know models are tools for learning about the things they are meant to resemble.
- N.5.B.2 Students know technologies impact society, both positively and negatively.
- N.5.B.3 Students know the benefits of working with a team and sharing findings.
- E.5.A.2 Students know the processes of the water cycle, including the role of the Sun.
- E.5.A.3 Students know most of Earth's surface is covered with fresh or salt water.
- E.5.A.4 Students know the role of water in many phenomena related to weather (e.g., thunderstorms, snowstorms, flooding, drought).
- E.5.C.2 Students know water, wind, and ice constantly change the Earth's land surface by eroding rock and soil in some places and depositing them in other areas.
- P.5.A.1 Students know matter exists in different states (i.e., solid, liquid, gas) which have distinct physical properties.
- P.5.A.2 Students know heating or cooling can change some common materials, such as water, from one state to another.
- P.5.A.6 Students know materials are composed of parts that are too small to be seen without magnification.
- L.5.C.4 Students know all organisms, including humans, can cause changes in their environments.

Geography

- 1.5.7 Recognize that states in the United States may be grouped into regions such as the West, Southwest, Midwest, Southeast, and Northeast.
- 1.3.8 Locate and name states that border Nevada and countries that border the United States.
- 2.3.1 Identify differences between physical and human features.
- 2.3.4 List examples of technology in their community.
- 2.5.4 Identify the effects of the use of technology in different communities in the United States.
- 2.3.5 Identify an historical landmark and describe the event that took place there.
- 4.3.7 Compare the wants and needs of people in different communities and the means used to fulfill those wants and needs.
- 5.5.1 Describe ways in which changes in the physical environment affect humans.
- 5.3.3 List tools, machines, or technologies that have changed the physical environment.
- 5.5.2 Describe places in the United States whose physical environment has been altered by technology.
- 5.3.6 Describe ways humans depend on natural resources.
- 5.3.7 List examples of how people use and manage natural resources within their communities.
- 6.3.1 Recognize a geographic issue or theme that affects home, school, or community.

Civics

- 8.3.1 Identify their county, state, and country
- 8.5.1 Identify the countries bordering the United States.