



Theme: Sustainability (Grades 6 to 8)

Nevada State Standards

English Language Arts

- 2.6.4 Summarize information from several sources.
- 4.7.3 Paraphrase and synthesize information from several sources to demonstrate comprehension.
- 4.8.3 Locate, interpret, organize, and synthesize information from texts to answer specific questions and support ideas.
- 4.6.4 Verify information from one source by consulting other sources.
- 4.6.5 Evaluate how authors' ideas and purposes shape the content of texts, such as advertisements and public documents.
- 4.8.5 Summarize authors' ideas and information in texts, including advertisements and public documents.
- 4.6.6; 4.7.6; 4.8.6 Read and follow multi-step directions to complete a complex task.
- 5.6.5 Write summaries of non-fiction text such as magazine or newspaper articles.
- 5.7.5 Write summaries of procedures such as a science lab experiment or an explanation of how to solve a math problem.
- 5.8.5 Write summaries that present main ideas and key supporting information.
- 5.6.6 Write short expository texts that propose a solution to a problem and offer simple persuasive evidence in support of the solution.
- 6.6.3 Write paragraphs and compositions with clear transitions between ideas.
- 6.7.3 Write compositions that focus on a main topic supported by relevant examples, anecdotes, and/or details.
- 6.6.6 Produce writing with a voice that shows awareness of an intended audience and purpose.
- 6.7.6 Produce writing with a voice that addresses an intended audience and purpose.
- 6.8.6 Produce writing with a voice that is expressive and appropriate to audience and purpose.
- 6.6.7; 6.7.7; 6.8.7 Share final drafts with a designated audience.
- 8.8.1 Identify and paraphrase a speaker's main ideas and supporting evidence to draw meaning from and ask relevant questions about content and purpose of oral presentations.

- 8.8.2 Evaluate content and delivery of oral presentations using given criteria and provide constructive feedback.
- 8.6.3 Recognize that language usage varies in formal and informal settings.
- 8.6.4; 8.7.4 Follow multi-step oral directions to complete a task.
- 8.8.4 Follow multi-step oral directions to complete a complex task.
- 9.6.2 Develop and deliver presentations that include media aids appropriate to audience and purpose.
- 9.7.2 Develop and deliver presentations that integrate appropriate public speaking techniques and media aids.
- 9.8.2 Select and use vocabulary and public speaking techniques appropriate to audience and purpose.
- 9.7.3 Organize and deliver a persuasive speech appropriate to audience and purpose.
- 10.6.1 Demonstrate active listening skills by participating in conversations and group discussions.
- 10.7.1 Provide constructive feedback when participating in conversations and group discussions.
- 10.8.1 Participate in conversations and group discussions as active listeners who provide constructive feedback.
- 10.6.2 Ask and answer questions to generate possible solutions to a problem.
- 10.7.4 Develop logical arguments in support of opinions.
- 11.6.5 Present research findings using written text or media.
- 11.7.5 Organize and present research findings using written text and/or media.
- 11.8.5 Organize and present research findings using appropriate media.

Mathematics

- 4.7.2 Make scale drawings using ratios and proportions.
- 4.7.4 Make a two-dimensional drawing of a three-dimensional figure.
- 4.8.8 Construct geometric figures using a variety of tools.
- 5.7.6 Interpolate and extrapolate from data to make prediction for a given set of data.
- 5.8.6 Formulate reasonable inferences and predictions through interpolation and extrapolation of data to solve practical problems.

Science

- N.8.A.1 Students know how to identify and critically evaluate information in data, tables, and graphs.
- N.8.A.2 Students know how to critically evaluate information to distinguish between fact and opinion.
- N.8.A.3 Students know different explanations can be given for the same evidence.
- N.8.A.4 Students know how to design and conduct a controlled experiment.

N.8.A.5 Students know how to use appropriate technology and laboratory procedures safely for observing, measuring, recording, and analyzing data.

N.8.B.1 Students understand that consequences of technologies can cause resource depletion and environmental degradation, but technology can also increase resource availability, mitigate environmental degradation, and make new resources economical.

N.8.B.2 Students know scientific knowledge is revised through a process of incorporating new evidence gained through on-going investigation and collaborative discussion.

E.8.A.2 Students know how the processes involved in the water cycle affect climatic patterns.

E.8.A.3 Students know the properties that make water an essential component of the earth system.

E.8.C.7 Students know the characteristics, abundances, and location of renewable and nonrenewable resources found in Nevada.

P.8.A.6 Students know matter is made up of tiny particles called atoms.

L.8.B.1 Students know all organisms are composed of cells, which are the fundamental units of life.

L.8.C.1 Students know how matter and energy are transferred through food webs in an ecosystem.

L.8.C.3 Students will evaluate how changes in environments can be beneficial or harmful.

L.8.C.4 Students know inter-related factors affect the number and type of organisms an ecosystem can support.

Social Studies

Economics

1.8.2 Recognize that self-interest is a motivational factor when people respond to incentives.

1.8.3 Identify the additional benefits and the additional costs that result from choosing a little more or a little less.

6.8.1 Explain ways in which households, schools, or community groups allocate resources.

6.8.3 Explain how the current utilization of a productive resource affects the availability of that resource in the future.

9.8.2 Describe how economic interdependence among countries affects standards of living in those countries.

Geography

2.8.4 Describe ways in which technology affects how cultural groups use places and regions.

2.8.6 Describe how and why regions change over time

3.8.3 Describe the interdependence among soil, climate, plant life, and animal life within different ecosystems.

4.8.6 Identify a regional or international economic issue and explain it from a spatial perspective.

5.8.1 Describe and predict the regional or global impact of changes in the physical environment.

5.8.2 Compare and contrast the opportunities and constraints that the physical environment places on human activity.

5.8.3 Evaluate the role of technology in the human modification of the physical environment.

5.8.4 Describe the changes that result from human modification of the physical environment.

5.8.6 Identify and locate examples of renewable and nonrenewable natural resources.

5.8.7 Select a resource and evaluate different viewpoints regarding its use.

6.8.2 Explain how the physical geography of a place or region can influence current events.

6.8.3 Examine a contemporary issue using geographic knowledge, skills, and perspectives.

6.8.4 Describe several future outcomes of a geographic issue and defend one possible solution.

Civics

4.8.6 Provide examples of contemporary public issues that may require public solutions.

History

10.8.3 Describe major world, national, and local issues, including:

- ethnic and religious conflicts
- environmental issues
- gaming
- health issues
- water and resource allocation