



## Theme: Plants (Grades 9-12)

### Nevada State Standards

#### English Language Arts

- 3.12.3 Analyze a theme based on evidence.
- 3.12.7 Analyze the influence of historical events and culture.
- 3.12.8 Make and revise predictions based on evidence.
- 3.12.9 Make connections to self, other text, and/or world.
- 4.12.3 Analyze a theme based on evidence.
- 4.12.5 Make connections to self, other text, and/or world.
- 4.12.6 Make and revise predictions based on evidence.
- 4.12.7 Read and follow directions to complete tasks or procedures.
- 5.12.1 Use prewriting strategies to plan written work.
- 6.12.7 Write a variety of communications in appropriate formats.
- 7.12.1 Listen for a variety of purposes including: gaining information, being entertained and understanding directions.
- 7.12.2 Listen to and evaluate oral communications for content, delivery, point of view, ideas, purpose, and value.
- 7.12.3 Expand vocabulary through listening.
- 7.12.5 Actively listen to oral communications.
- 8.12.2 Use precise language to describe and elicit feelings, experiences, observations and ideas.
- 8.12.4 Participate in conversations to solve problems by identifying, synthesizing and evaluating data.

#### Mathematics

- 3.12.3 Select and use appropriate measurement tools, techniques and formulas to solve problems in mathematical and practical situations.
- 4.12.8 Solve problems by drawing and/or constructing geometric figures to demonstrate geometric relationships.
- 5.12.2 Select and apply appropriate statistical measures in mathematical and practical situations.

#### Science

- N.12.B.1 Students know science, technology, and society influenced one another in both positive and negative ways.

- N.12.B.2 Students know consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts.
- N.12.B.4 Students know scientific knowledge builds on previous information.
- E.12.A.1 Students know the Sun is the major source of Earth's energy, and provides the energy driving Earth's weather and climate.
- P.12.C.6 Students know electricity is transferred from generating sources for consumption and practical uses.
- L.12.C.1 Students know relationships of organisms and their physical environment.
- L.12.C.2 Students know how changes in an ecosystem can affect biodiversity and biodiversity's contribution to an ecosystem's stability.
- L.12.C.3 Students know the amount of living matter an environment can support is limited by the availability of matter, energy, and the ability of the ecosystem to recycle materials.

## **Social Studies**

### *Civics*

- 13.(9-12).7 Analyze and evaluate the role of citizen participation in civic life.

### *Geography*

- 8.(9-12).1 Analyze how changes in the physical environment can increase or diminish its capacity to support human activity.
- 8.(9-12).3 Develop possible responses to changes caused by human modification of the physical environment.
- 8.(9-12).5 Analyze patterns of use, the changing distribution, and relative importance of Earth's resources.

### *History*

- 4.(9.12).23 Describe how global issues such as human rights, the environment, regional conflicts, and health issues affect nations differently.