



Tour Theme: Animals (grades 9-12)

Nevada State Standards

English Language Arts

- 4.12.4 Critique the power, logic, reasonableness, and audience appeal of arguments advanced in texts.
- 4.12.6 Read and apply multi-step directions to perform complex procedures and tasks.
- 5.12.3 Write reflective texts that draw comparisons between specific incidents and broader themes.
- 5.12.4 Write responses to literature that analyze and critique the use of imagery, language, themes, stylistic devices, and tone.
- 10.12.1 Participate in problem-solving conversations or group discussions by identifying, synthesizing, and evaluating data.
- 10.12.4 Justify a position using logic and refuting opposing viewpoints.
- 11.12.5 Organize and present research findings using appropriate media.

Mathematics

- 5.12.1 Organize statistical data through the use of tables, graphs and matrices (with and without technology).
- 5.12.2 Select and apply appropriate statistical measures in mathematical and practical situations.
- 5.12.6 Design, construct, analyze and select an appropriate type of graphical representations to communicate the results of a statistical experiment. Formulate and justify inferences based on a valid data sample.

Science

- N.12.A.1 Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations.
- N.12.A.3 Students know repeated experimentation allows for statistical analysis and unbiased conclusions.
- N.12.A.5 Students know models and modeling can be used to identify and predict cause-effect relationships.
- N.12.B.1 Students know science, technology, and society influenced one another in both positive and negative ways.
- E.12.C.4 Student know processes of obtaining, using, and recycling of renewable and non-renewable resources.

- 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.4 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

Economics

- 1.12.1 Explain why choices and their costs may differ across individuals and societies.
- 1.12.2 Recognize that people act out of self-interest and predict how a change in the economic environment will affect the choices made by consumers, producers, and savers.

Geography

- 2.12.4 Determine how technology affects the way cultural groups perceive and use places and regions.
- 3.12.5 Propose solutions to environmental problems using the concept of ecosystems.
- 4.12.9 Analyze how different cultures, points of view, and self-interests influence cooperation and conflict over territory and resources.
- 5.12.3 Describe the ways in which technology has affected the human capacity to modify the physical environment and evaluate the possible regional or global impact.
- 5.12.4 Develop possible responses to changes caused by human modification of the physical environment
- 6.12.3 Analyze a contemporary issue using geographic knowledge, skills, and perspectives.

Civics

- 1.12.1 Analyze and develop a position on a current event.