

## NEVADA SCIENCE CONTENT STANDARDS

- N.8.A.3.** Students know different explanations can be given for the same evidence.
- N.8.A.6.** Students know scientific inquiry includes evaluating results of scientific investigations, experiments, observations, theoretical and mathematical models and explanations proposed by other scientists.
- 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.C.1.** Students know sedimentary rocks and fossils provide evidence for changing environments and the constancy of geologic processes.
- E.8.C.2.** Students know how rocks at the Earth's surface weather, forming sediments that are buried, then compacted, heated and often re-crystallized into new rock.
- E.8.C.5.** Students know how geologic processes account for state and regional topography.

## CLARK COUNTY SCHOOL DISTRICT OBJECTIVES (GRADE 7)

Students will:

- give examples of how different explanations can be given for the same evidence;
- distinguish between sedimentary, igneous, and metamorphic rocks;
- describe how water can exert forces (physical weathering) on landforms;
- describe how water, wind, glaciers, and gravity contribute to erosion;
- describe how landforms are the result of a combination of constructive and destructive processes; and
- describe the geologic processes that are responsible for the Great Basin region, Lake Tahoe, the Sierra Nevada Mountains, earthquakes in Nevada, Spring Mountain Range, Red Rock Canyon, and Valley of Fire.

## VOCABULARY

The Forever Earth field trip will be more successful for students if they gain an understanding of the vocabulary listed below.

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|--------------------------|------------------|------------------|
| • constructive processes | • interpretation | • relative aging |
| • cross-bedding          | • lava flow      | • sedimentary    |
| • destructive processes  | • mass wasting   | • tilting        |
| • erosion                | • metamorphic    | • wash           |
| • igneous                | • observation    | • weathering     |