

## **Standards Addressed- Carving the Canyon**

### **Zion National Park Distance Learning**

#### **Next Generation Science Standards (National Academy of Sciences)**

NGSS-3-ESS3-1. Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard

NGSS-4-ESS1-1 Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time

NGSS-4-ESS2-1 Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation

NGSS-4-ESS3-2 Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans

#### **National Science Standards K-4 (National Academy of Sciences)**

NS.K-4.2 Physical Science

- Properties of objects and material

NS.K-4.4 Earth and Space Science

- Properties of Earth materials
- Changes in Earth and sky

NS.5-8.3 Life Science

- Diversity and adaptations of organisms

NS.5-8.4 Earth and Space Science

- Structure of the Earth system
- Earth's history

#### **National Science Standards 5-8 (National Academy of Sciences)**

NS.5-8.2 Physical Science

- Motions and forces

NS.5-8.4 Earth and Space Science

- Structure of the earth system
- Earth's history

NS. 5-8.6 Personal and Social Perspectives:

- Natural Hazards

#### **National Social Studies - Geography Standards (National Geographic)**

NSS-G.K-12.1 The World in Spatial Terms

- Understand how to use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective

NSS-G.K-12.3 Physical Systems

- Understand the physical processes that shape the patterns of Earth's surface