

6-8 Science Standards

1. Physical Science

a. Universal forces

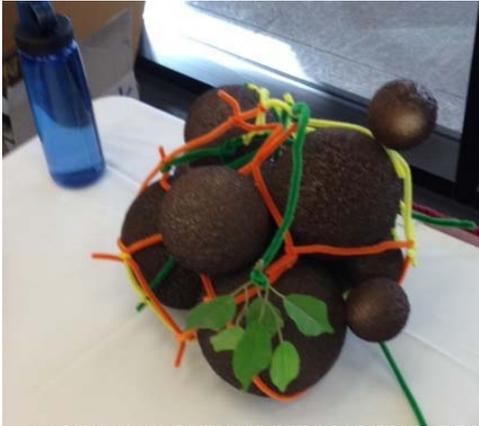
- i. **SC8.2.2.d** Recognize that everything on or around Earth is pulled towards Earth's center by gravitational force. How could NRD can help – **demonstrate how ground water moves through the aquifer and how surface water carves through the soil due to gravity using ground water model and stream table.**
- ii. Behavior - **Interactive presentations on wildlife habitat changes and evolution.**
 1. **SC8.3.1.e** Describe how plants and animals respond to environmental stimuli. –
- iii. Flow of matter and energy in ecosystems – **We have and interactive food web activities**
 1. **SC8.3.3** Students will describe populations and ecosystems.
- iv. Flow of energy (ecosystem) – **Presentations same as above and Oh Deer! activity**
 1. **SC8.3.3.b** Compare the roles of producers, consumers, and decomposers in an ecosystem.



Decomposers and producers

- v. Ecosystems – **Presentations on ecosystems, wildlife habitat, and how the environment impacts the flora and fauna**
 1. **SC8.3.3.d** Determine the biotic and abiotic factors that impact the number of organisms an ecosystem can support.
 2. **SC8.3.3.f** Identify symbiotic relationships among organisms. - **Pollinators**
 - vi. Impact on Ecosystems - **Ecosystem, wildlife habitat, human development, flooding**
 1. **SC8.3.3.g** Identify positive and negative effects of natural and human activity on an ecosystem. - **Human development vs habitat**
- ### b. Biodiversity
- i. Biological Adaptations -
 1. **SC8.3.4.a** Describe how an inherited characteristic enables an organism to improve its survival rate. - **Camouflage and adaptation presentations**
 - ii. Biological Evolution **Wildlife and biodiversity habitat**
 1. **SC8.3.4.b** Recognize the extinction of a species is caused by the inability to adapt to an environmental change. - **Oh Deer! activity, food web presentation**
 2. **SC8.3.4.c** Use anatomical features of an organism to infer similarities among other organisms.

2. Earth and Space Sciences
 - a. Earth Structures and Processes
 - i. Properties of Earth Materials
 1. **SC8.4.2.b** Describe the physical composition of soil



(Above) Soil particles bond together (right) NRCS talking about the benefits of plant cover on soil when it comes water infiltration.

- ii. Earth's Processes
 1. **SC8.4.2.e** Compare and contrast constructive and destructive forces (deposition, erosion, weathering, plate motion causing uplift, volcanoes, earthquakes) that impact the surface. - **Erosion table demonstrating deposition and water erosion**
 2. **SC8.4.2.h** Describe the water cycle (evaporation, condensation, precipitation) - **Water cycle in a bottle**
- iii. Use of Earth Materials
 1. **SC8.4.2.h** Classify Earth materials as renewable or nonrenewable - **Recycling programs, composting, no-till practices**

Social Studies Standards

- a. 5-8

- i. **8.1.8** – Describe the economic factors that led to the Great Depression. - **We could examine how the dust bowl hurt family farms and how conservation efforts helped prevent future economic and environmental loss**

If you have any special requests, I would be more than happy to come create it.

I just need your objectives and specific instructions you want us to cover.

Just let us know!