JONES VALLEY teaching farm | GOOD SCHOOL FOOD

THE EFFECTS OF EROSION (*6th Grade*)

ALABAMA COURSE OF STUDY STANDARD (Science)

⇒ 5.) Use evidence to explain how different geologic processes shape Earth's history over widely varying scales of space and time (e.g., chemical and physical erosion; tectonic plate processes; volcanic eruptions; meteor impacts; regional geographical features, including Alabama fault lines, Rickwood Caverns, and Wetumpka Impact Crater).

DESCRIPTION

⇒ Farmer Shun will explore the concepts of **weathering**, **erosion**, and **deposition** on the Teaching Farm, giving visual examples of each and how they affect the space.

OBJECTIVES

Students will be able to:

⇒ **define** erosion, weathering, and deposition and cite different examples of each.

MATERIALS NEEDED

⇒ Paper and Writing Utensil (Students should have these ready before watching the video)

⇒ EFFECTS OF EROSION (YouTube Link)

FOLLOW-UP DISCUSSION

After viewing the video, ask students the following questions:

⇒ What are some areas around your home or school where erosion or deposition takes place? How do you know?

⇒ Which process did Farmer Shun's hands represent when she broke apart the rocks in the beginning of the video (weathering, erosion, or deposition)? (*weathering*)

⇒ What were some examples of extreme wind erosion? (*Dust Bowl and Sahara Desert*)

⇒ What might be an example of extreme erosion caused by rain? (*mudslide*)

⇒ What are some ways ice can cause weathering? What about plants?

⇒ How might plants help slow erosion?

⇒ Is erosion good or bad for the Teaching Farm? Why?

FOLLOW-UP ACTIVITIES

1. ***Erosion Song & Dance***: Have students repeat the lyrics (in a call-and-response style) below to help to remember all of the processes that exist within EROSION.
    - Students can create a beat or dance moves to go with the song as well.
    - For extra credit, have students create extra lyrics to further explain how erosion affects the world around them.

Break, Move, Drop.
All of these processes happen to rocks.
Weathering breaks it,
Erosion takes it,
and when the motion stops, Deposition drops.
Break, Move Drop. Break, Move, Drop.

2. ***Erosion Article***: Have students explore this page on National Geographic to further their understanding on the impacts of erosion.