

The Civilian Conservation Corps in Arkansas

Physical Science Integrated Lesson Plan

Science Standards

- PSI-ESS2-1** Develop a model to illustrate how Earth's internal and surface processes operate at different spatial and temporal scales to form continental and ocean-floor features. [AR Clarification Statement: Emphasis is on how the appearance of land features (mountains, valleys, and plateaus) and sea floor features (trenches, ridges, and seamounts) are a result of both constructive forces (volcanism, tectonic uplift, and orogeny) and destructive mechanisms (weathering, mass wasting, and coastal erosion).
- PSI-ESS3-1** Construct an explanation based on evidence for how the availability of natural resources, of natural hazards, and changes in climate have influenced human activity. [AR Clarification Statement: This PE is partially addressed in this course. Emphasis in this course is on key natural resources. Examples could include access to fresh water (rivers, lakes, and groundwater), regions of fertile soils (river deltas) and high concentrations of minerals and fossil fuels. Examples of natural hazards could include from interior processes (volcanic eruptions), surface processes (tsunamis, mass wasting, and soil erosion), and severe weather (hurricanes, floods, and droughts). Examples of the results of changes in climate that could affect populations or drive mass migrations could include changes to sea level and regional patterns of temperature and precipitation.]

Phenomenon

Earth's internal and external (geoscience) processes have changed Earth's surface at varying time and spatial scales leading to the development of different physiographic regions in Arkansas.

Resources

Use the essays, photos, maps (including topographic maps) and other resources on this website, and others provided by your teacher to complete the task(s) below.

Arkansas Geological Survey:

<https://www.geology.arkansas.gov/education/geology-resources.html>

Task

Describe the current landscape/topography of the six (6) physiographic regions of Arkansas and how they were formed through geoscience processes.

Describe how these regions' characteristics and resources impacted the work of the CCC in building various structures at sites across the state: Petit Jean State Park (1923), Mount Nebo State Park (1928), Crowley's Ridge State Park (1933), Devil's Den State Park (1933), Lake Catherine State Park (1935), and Buffalo River State Park (1938).

Optional Task

Divide class into 6 groups. Each student or student group randomly selects one of the six (6) CCC sites.

Describe the physiographic region of the site chosen. Include how it was formed through geoscience processes and the current landscape/topography.

Describe this region's characteristics and resources and how they impacted the work of the CCC in building various structures at this site.