

Project Title: Grade 5 The Earth's Landforms

Teachers/Team: Britt, Sheets, East, Lindsay, Childers, Hamrick, Luther, Smith
Grade Level: 5
Curriculum Area(s): Science, Social Studies, Math, Language Arts, Technology, Media
Science Curriculum Goal 2: The learner will make observations and conduct investigations to build an understanding of landforms. Essential Question: How do landforms shape the earth?
Objective 2.01 Identify and analyze forces that cause change in landforms over time including. <ul style="list-style-type: none">• Water and Ice.• Wind.• Gravity. Objective 2.02 Investigate and discuss the role of the water cycle and how movement of water over and through the landscape helps shape land forms. Objective 2.03 Discuss and consider the wearing away and movement of rock and soil in erosion and its importance in forming: <ul style="list-style-type: none">• Canyons.• Valleys.• Meanders.• Tributaries. Objective 2.04 Describe the deposition of eroded material and its importance in establishing landforms including: <ul style="list-style-type: none">• Deltas.• Flood Plains. Objective 2.05 Discuss how the flow of water and the slope of the land affect erosion. Objective 2.06 Identify and use models, maps, and photographs as ways of showing landforms. Objective 2.07 Discuss and analyze how humans influence erosion and deposition in local communities, including school grounds, as a result of: <ul style="list-style-type: none">• Clearing land.• Planting vegetation.• Building dams. Objective 3.01 Investigate the water cycle including the processes of: <ul style="list-style-type: none">• Evaporation.• Condensation.• Precipitation.• Run-off Focus Question/Statement: What are landforms? Focus Question/Statement: How are landforms changed over time? Focus Question/Statement: How are landforms created? Focus Question/Statement: How can we model landforms?

Project Title: Grade 5 The Earth's Landforms

Social Studies:

Objective 1.03 Compare and contrast the physical and cultural characteristics of regions within the United States, and other countries of North America.

Objective 1.06 Explain how people of the United States and other countries of North America adapt to, modify, and use their physical environment.

Language Arts:

Objective 3.06 Conduct research (with assistance) from a variety of sources for assigned or self-selected projects (e.g., print and non-print texts, artifacts, people, libraries, databases, computer networks).

Objective 4.10 Use technology as a tool to enhance and/or publish a product,

Technology:

Objective 1.11 Demonstrate appropriate use of copyrighted materials in word processing documents used for content projects/assignment.

Objective 1.12 Recognize and explain the advantages and disadvantages of using multimedia to develop content area projects/products.

Objective 1.13 Identify and discuss multimedia terms/concepts (e.g., menu, branching, navigation, multimedia, design).

Objective 1.14 Demonstrate knowledge of Copyright and Fair Use Guidelines by explaining selection and use of resources in content projects/assignments.

Objective 1.15 Recognize, discuss, and use online terms/concepts.

Objective 2.13 Plan, discuss, and use search strategies with two or more criteria to find information for assignments/projects/products about the Western Hemisphere.

Project Title: Grade 5 The Earth's Landforms

Information Skills:

Objective 1.08 Select and use independently, both within and outside the school, a variety of resources (print, non-print, electronic) and formats (print, graphical, audio, video, multimedia).

Objective 1.10 Identify characteristics and advantages of various media formats (print, graphical, audio, video, multimedia, web-based) for a specific task.

Objective 1.11 Explore primary secondary sources.

Objective 4.04 Follow acceptable use guidelines (AUP/IUP) in accessing information.

Objective 4.05 Gather information.

Objective 4.06 Comply with the Copyright Law (P. L. 94-553).

Objective 4.07 Organize and use information.

Objective 4.08 Credit sources of information.

Objective 4.09 Present information in a variety of formats (print, graphical, video, multimedia).

Objective 5.02 Produce media in various formats (print, graphical, audio, video, multimedia) appropriate to audience and purpose.

Objective 5.03 Collaborate with others, both in person and through technologies, to identify information problems and to design, develop, and evaluate information products and solutions.

Objective 5.04 Credit sources in all print, non-print, and products.

Objective 5.05 Apply fair use copyright guidelines in all projects.

Proposed Learning Activities (Briefly state the activities students will do to complete this project.)

Vocabulary from Science Book

Water Cycle (iTech Lesson) Kidspiration/Poster/Website

Keynote (Types of landforms) storyboard/script

Research nature's effect on landforms Assign groups of nature wind, ice, etc., teach class

Manmade effects on landforms - current events/speaker from Horizons

Art activity- drawing different types of landforms, play dough (Take home- Jamesia)

Map of US

iPhoto

Boxes

Description of Culminating Task: Landform Box -- Using a computer template, students will create a cube of landforms, placing different information about their landform on each side of the cube.

Assessment: Rubrics will be created for each project.

Project Title: Grade 5 The Earth's Landforms

Responsibilities (Teacher): Britt -- Research websites for iPhoto pictures, landform box template, and rubric East -- Map of US and regions, student activity for labeling landforms in US and rubric Lindsay -- Take home projects, drawing/creating model of landforms Sheets -- Activity to assign groups things that effect landforms and guidelines to present and teach Childers -- Help Sheets with take home and contact speaker
Responsibilities (Media Coordinator): Assignment sheet for Key Note with Britt Books on landforms
Responsibilities (Technology Facilitator): Document Lesson Place templates in Collaboration Folder Schedule lab time Aid in some technology instruction
Planning Time: November 8 8:00-11:30
Start/Ending Dates for Project Target End Date: December 31, 2007

Schedule:

Vocabulary from Science Book
Art activity- drawing different types of landforms, play dough
Map of US with regions labeled and students labeling landforms
Research using iPhoto to collect pictures of landforms for projects
Keynote (Types of landforms) storyboard/script
Research nature's effect on landforms Assign groups of nature wind, ice, etc., teach class
Manmade effects on landforms - current events/speaker from Horizons
Water Cycle (iTech Lesson) Kidspiration/Poster/Website
Landform Boxes using template from the computer

Computer Lab Times:

Britt and Lindsay -- Nov. 26, 27, 28, 29 -- Pictures Dec 5, 6, 12 -13 Keynote, 19, 20
Box

Sheets -- Nov. 11:15 M, T, Friday Keynote 10 Computers Keynote, Dec 11, Tuesday box

Project Title: Grade 5 The Earth's Landforms

East -- Pictures Dec 3, 1:00 Dec. 5, 1:00 Friday, Monday of Dec 17 week, January 3