

GED 2002 Teachers' Handbook of Lesson Plans

Area/Skill - Science	Cognitive Skill Level - Analysis	Correlation to Science Framework - 03.03/ 03.06	Lesson Number - 04
<p>Activity Title - Where Did It Come From?</p> <p>Goal/Objective</p> <p>To research island formation, plot locations on a map and make an analysis of why some islands are formed where they are.</p> <p>Lesson Outline</p> <p>Introduction</p> <p>Islands are a popular place to live and visit; consequently, people have lived on islands for thousands of years. There are many islands around the world. Those islands did not all form in the same way. Many things can contribute to the forming of an island and an underwater volcano is just one of them.</p> <p>Activity</p> <p>Discuss the article on the underwater volcano and forming islands. Divide the class into groups of 3–4 and have students use atlases, encyclopedias, computers or other reference materials to research a set of islands to see how they were formed. You may wish to provide students with names of islands or have them select their own based upon their research. Examples of islands that can be researched are: Easter Island, Greek Islands, Japan, Hawaii, Cuba, Malta, Puerto Rico, Bermuda, etc. Obtain a large map of the world to put on the wall. Have the class plot the locations of their islands and report to the group about the different islands' formation. Have students compare/contrast the different ways islands were formed by charting the different formation types.</p> <p>Debriefing/Evaluation Activity</p> <p>Brainstorm with the class possible reasons for islands in the same area to be formed in the same way. Have the students recognize that islands in the surrounding areas will also be formed in similar ways.</p> <p>data from the federal government, surveys, predictions, reports, etc.</p>			<p>Materials/Texts/Realia/Handouts</p> <ul style="list-style-type: none"> • Handout – NOAA Tunes in to Underwater Eruption • Resource materials such as encyclopedias, atlases, almanacs • Chart paper, markers • Large world map or large outline world map
			<p>Extension Activity</p> <p>There are many islands that have been formed by volcanoes. Students may wish to search on the Internet for additional islands and then locate them on the world map. Have students check whether these “new” islands are located in the same area as the ones researched in class. Discuss the findings with the class.</p>
<p>Real-Life Connection</p> <p><i>Ask:</i> How many of you have seen new developments being built? Have you ever noticed how they use dirt that has been brought in to fill in small ponds or increase a shoreline into the water? On the coast they will sometimes dredge the bay so that they can “build more land” in order to build more houses or businesses. Discuss with the students that people sometimes “create” islands in this way.</p>			<p>ESE/ESOL Accommodations</p> <ul style="list-style-type: none"> • Have students work in groups. • Provide “readers” for students who need assistance in research. • Allow students to report verbally or in writing.

GED 2002 Teachers' Handbook of Lesson Plans - Script

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Activity Title - Where Did It Come From?

Introduction

Ask: Have you ever visited an island? How did the island come to be? Are there different ways that islands can form? What are some of the ways that islands are formed? Brainstorm with students possible ways of island formation. Discuss that during this lesson, we will research many different ways that islands have formed and continue to form.

Main Activity

Say: We are going to research to find out some the ways that islands are formed. Divide the class into groups of 3-4 and provide the necessary research materials and the name of a group of islands for each group to research. Possible islands that you wish to include are: Easter Island, Greek Islands, Japan, Hawaii, Cuba, Malta, Puerto Rico, Bermuda, etc.

Have the students use the research material to find out how their island was formed. When they have located the answer, have them report back to the class and plot their island on the map.

Closure/Conclusion

Ask: Why do you suppose that volcanoes form some islands and other islands are formed in much different ways? Brainstorm with the group the different ways in which islands can be formed. *Ask:* Are islands still forming in today's world? Discuss possible reasons for islands still form such as volcanic eruptions, change in water flow and even "man-made" islands for purposes of development.

Follow-Up Lessons/Activities

Create a chart using the different formations of islands as headings. Next have the students list various islands under the formation that created them. Have the class discuss what they think formed other islands that are located around the researched islands.