

6th grade Ocean & Ocean Floor Project Presentation Options

You (& your partner - optional) will be presenting on one of the following topics. If you have another idea for a topic, talk with Mrs. Fischer. Be sure you include captions for pictures showing websites where the pictures came from. We will be using the computers in class to research and create, homework this week will require you to evaluate your progress and identify what still needs to be done to be ready to present. Presentations will begin Monday.

<p>A. Create a poster that illustrates the problems that are caused by oil spills in the open ocean. Find images of oil on the water and cleanup techniques in use. Images could include wildlife disrupted by the spill or volunteers tending to affected birds, sea lions, or other ocean-dwelling animals. Present your poster to the class and discuss ways of cleaning up (and preventing) ocean oil spills.</p>	<p>B. Make a list of ocean resources (living and nonliving), as well as a list of activities that would no longer be possible if there were no oceans. Illustrate the list in your presentation or poster. Using some of the activities, also explain how your life depends on ocean resources. How would your life be different if ocean resources and/or activities did not exist?</p>	<p>C. Nuclear power plants and weapons create waste. We have yet to come up with an appropriate disposal solution because it takes a long time for the radioactivity to decay. The global community is faced with the problem of where to dispose of nuclear waste, which generates significant heat as it decays. Many people have proposed various solutions to dispose of the nuclear waste. One proposal is to bury weighted barrels of waste in the sediment in the ocean floor. This solution poses significant potential dangers, such as damage to the ocean's natural temperature and salinity layers. Research and hold a debate to educate the students on the benefits and potential dangers of disposing the nuclear waste using this method. [Debate will be held for the class to watch]</p>	
<p>D. Draft a letter to a U.S. Congress member that outlines the importance of clean ocean water and the ways people can minimize ocean pollution.</p>	<p>E. Create a poster designed to educate the public about the importance of clean ocean water. Focus on ways people can minimize ocean pollution.</p>	<p>F. Graphs & essay: Which nations contribute the most to ocean pollution? Create pie charts to show your findings and write a short essay to explain any trends you observe.</p>	
<p>G. Island formation presentation: Describe & illustrate 4 different ways that islands form or grow. Include examples of real islands each method of formation. Hawaiian islands, barrier islands, Madagascar and _____. Methods can include: growth of volcanic seamounts, growth from coral (reefs), formation by deposition and continental islands.</p>		<p>H. Research and create a power point to teach about a large oil spill, the cause(s), and its effects on the environment. Include any laws or regulations, which changed because of the spill. Advanced learners would find another spill, other than the following two... In 1989, there was a large oil spill in Prince William Sound, Alaska. In 2007, Cosco Busan container ship accident and spill in San Francisco Bay http://www.ibrrc.org/</p>	
<p>I. Red Tide- What is it? What causes it? (How often does it occur), What plants or animals are negatively effected by it? How can it be dangerous to humans?</p>	<p>J. Effect of oil on feathers of birds & lesson on the types of bird feathers</p>	<p>K. How birds are cleaned after being covered in oil (treatment & rehabilitation)</p>	<p>L. Natural seepage from underwater oil deposits is another source of pollution. Research natural seepage from underwater oil deposits and report your findings to the class. [1 page written report]</p>

Most Ideas are from Holt's ch 12 sections 2, 3 and 4.