

Activities Days 3 – 5

Activity #2	Create a model of the ocean floor and points for a topographical map
Time	Approximate time to complete this activity: 1 day (class period)
Materials	<ul style="list-style-type: none"> ○ 1 box such as a shoe box or small rectangular box, with a lid if possible ○ Aluminum foil or heavy paper to use for a box lid, if box is without a lid ○ Clay, rocks, gravel, sand and/or other materials to create a sea floor and features ○ Ruler ○ Black felt tip marker ○ Paper that is the size of the top of the box ○ Masking tape ○ Scissors
Guiding Questions	
<ol style="list-style-type: none"> 1. What does the ocean floor look like? 2. Are there any ocean feature you can identify? 	
Plan	
<ul style="list-style-type: none"> ○ Plans for part 1 of activity: <ul style="list-style-type: none"> • Create a model of the ocean floor and points for the topographical map • Detailed instructions and materials can be accessed at: <ul style="list-style-type: none"> • http://seagrants.uaf.edu/marine-ed/curriculum/images/stories/grade6/model_seafloor_instructions.pdf • http://seagrants.uaf.edu/marine-ed/curriculum/grade-6/investigation-3.html • http://seagrants.uaf.edu/marine-ed/curriculum/images/stories/grade6/grid_model_seafloor_boxtop.pdf ○ Guiding Questions to ask during this part of the activity: <ul style="list-style-type: none"> • What does the sea floor like? • Do you notice any features that you can identify? ○ Anticipated Student Responses to guiding questions: <ol style="list-style-type: none"> 1. The ocean floor is not flat. It gradually slopes from the coast, then drops dramatically down to the abyssal plain. There are mountains rising from the ocean floor. ○ Plans for part 2 of activity: <ol style="list-style-type: none"> 2. On student models label energy sites (tidal, wind, oil, gas) that are currently being utilized from discussion and research on Day 2. <ul style="list-style-type: none"> • Guiding Questions to ask during this part of the activity: <ul style="list-style-type: none"> • What are the most common sources energy being developed off the coast of Virginia? • Anticipated Student Responses to guiding questions: <ul style="list-style-type: none"> ○ The ocean floor is not flat. It has mountains and trenches. • There are parts that are shallow and other parts that are very deep, use names of ocean floor. 	
Differentiation	Strategy 1: Students will work with partners that have been chosen for them to utilize strengths.
ELL Modification	Modification: Student will work with another student with whom she/he works well.
Check for Understanding	How you will assess or check for student understanding throughout this activity. <u>Quick assessment:</u> Label an example of the ocean floor.