



Pre-Visit/Post-Visit Guide ***Below***

Lesson Name: Landforms: Above and

Summary of Lesson:

In this hands-on lesson, students will create and use models, including our new virtual reality sand tables, to explore similarities and differences between the location and structure of landforms found on the continents and ocean floor.

South Carolina Science Standards: 5.E.3A

Pre-Visit Resources

- **Teacher/Chaperone Expectations:** Please help us by letting us know of any special accommodations for your children prior to the lesson. Your assistance with classroom management and the distribution of materials will also be greatly appreciated.
- **Instruction for Teachers:**
 - Please report to the Harrison Hall of Science for this lesson. Students will work in small groups to rotate through animal stations. Students will have time to wash their hands at the end of the lesson.
- **Key Vocabulary:** continental shelf, continental slope, seamounts, trench, abyssal plain, mountain, valley, plateau, canyon, plain, topographic map
- **Key Questions Addressed in Lesson:**
 - What are some of the continental landforms and how does the shape affect water movement?
 - What are some of the oceanic landforms that make up the ocean floor?
 - How are continental and oceanic landforms alike and different?
- **Content Preview Video:**
 - Mr. DeMario presents Learning about Landforms (4:40) https://youtu.be/KWTDmg8OI_Y

Post-Visit Resources

- **Writing Prompt:** There is a rumor of buried treasure not far from the Mid-Atlantic Ridge. You must start your journey on the Pacific coastline in South Carolina. Create an illustrated scientific diary of change in landforms on your journey from the coast to the bottom of the ocean on the mid-ocean ridge in search of buried treasure!
- **Possible Lesson Link:**
 - [Geology and Major Landforms: Sea to Sky - Lesson](#) - A lesson that helps students see the importance of geology and landforms and how these things connect the engineering of roads and other things that they know.
- **Video Link:**
 - "Exploring Landforms and Bodies of Water for Kids-FreeSchool" (9:18) https://youtu.be/BsqKTJtK_vw
 - Crash Course Kids presents "Landforms, Hey!: Crash Course Kids #17.1" (3:57) <https://youtu.be/FN6QX43QB4g>
- **Career Connections:**
 - [Ocean Exploration Careers: NOAA Office of Ocean Exploration and Research](#)

- Each career is featured with a NOAA career profile and video interview
- One example: Oceanographer:
<https://oceanexplorer.noaa.gov/edu/oceanage/05ballard/welcome.html>