

Discover: Seventh Grade Unfield Trip



Join the Amazeum for an Unfield Trip!

Your Discover Unfield Trip starts here! Watch this [orientation video](#) for tips on how to utilize Discover with your students.

Exhibit Dive: Nature Valley Water Amazements

Start your Virtual Unfield Trip by watching this video about the [Nature Valley Water Amazements](#), [Nature Valley Asombros de Agua](#) exhibit at the Scott Family Amazeum.



Discuss and/or write down:

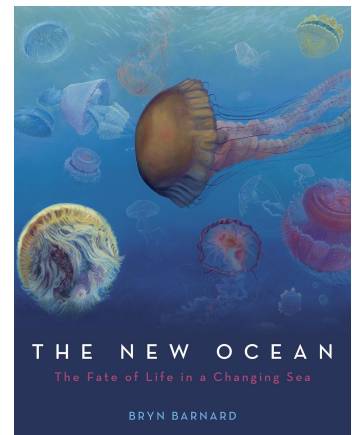
What did you notice?

What do you wonder?

Have you seen anything like this before?

Literacy Connection

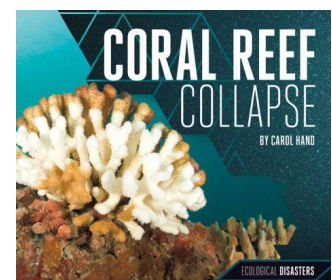
After watching the exhibit video, read *Coral Reef Collapse* by Carol Hand or *The New Ocean: The Fate of Life in a Changing Sea* by Bryn Barnard.



Discuss and/or write down:

What is affecting the ocean?

How has the ocean changed over the last 50 years?



Discover: Seventh Grade Unfield Trip

Activity Exploration

Watch this [Ocean Acidification activity video](#), then check out the [Ocean Acidification activity guide](#), and do the activity together!



Discuss and/or write down:

What tools and materials did you use for this experiment?

What did you notice about the water?

What effects will this acidic water have on plant and animal life?

Can you reverse this experiment and make the water less acidic? Why or why not?

Take pictures and videos of your process to share! You can send them to mgarcia@amazeum.org

NGSS Standards Addressed

- **7-PS1-2:** Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
- **7-LS2-4:** Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
- **7-ETS1-1:** Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.