



Connecting the Global Ocean to Inland Audiences

Module 7: Atmospheric and Oceanic Impacts on Climate – Ocean Acidification

This module continues to relate two central concepts, Ocean/Weather and Climate Connection, and Ocean/Human Connection. The ocean and humans are interconnected. Humans depend on the ocean for food, energy resources, and transportation. Changes in the oceans impact atmosphere and climate patterns. By understanding how climate works, we can come to a better understanding of our impact upon climate, and in turn the climate impact on the ocean.

Learning Sequence:

1. Listen to the National Public Radio story [*Acid in the Oceans*](#).
2. Watch Jeff Hare's video lecture: "[Air and Ocean Interactions](#)" NOTE: You may want to print out a note-taking version of the [PowerPoint \(PDF\)](#) to take notes on as you watch. Focus your note-taking particularly on how human activities influence the interaction between the atmosphere and climate.
3. Think about how to integrate the concepts of the lecture into something you teach.
4. If you would like to focus on ocean acidification and its affects on corals, the Blue World TV curriculum includes a good introduction and a series of lessons. http://www.blueworldtv.com/images/uploads/study-guides/study_guide_coral_reefs.pdf