

THE EFFECTS OF CLIMATE CHANGE ON AGRICULTURAL SYSTEMS

A 5-Hour Curriculum Unit for 6-12 Grade Students

Welcome! This unit was designed to introduce 6-12 grade students to the effects of climate change on agriculture, including crop production and ranching. The activities in this guide are appropriate for both formal and informal education settings, and they can be modified to fit the needs of students. All activities are aligned to Common Core State Standards and Next Generation Science Standards when applicable.

This curriculum is organized as a 5-day (or 5-hour) unit, with each activity building on the last. The unit need not be completed in its entirety, however. All five of the included activities can be conducted individually. [The Unit Schedule](#) outlines a proposed schedule of activity completion, assuming one-hour periods. Days on the schedule can be converted to hours to better suit the time available. Each activity includes an estimated time for completion.

The materials required for the activities can generally be purchased at a household goods store, and some are items that educators often have available. There are few specialized supplies needed. Each activity includes a materials section that lists the items required to complete the activity, with provided resources, such as handouts and PowerPoint files, listed first. When viewing this guide electronically with an internet connection, the links within the materials section will navigate to each of the listed resources.

We hope that you and your students enjoy these activities! Please contact the editor with questions and feedback at s.haan-amato@asombro.org.