
Climate Change: Effects | Lesson Plan

Overview

- **Length** - One 45-minute period, plus homework the night before.
- **Grade level** - High school
- **Courses** - Civics, Global Issues, courses about climate change

Learning Objectives

- Students will be able to identify some of the effects of climate change on their own communities and on communities around the world.

Materials

- [Climate Change and the Coffee Industry](#) (2:51)
- [Climate Change Inequality](#) (16 panel cartoon)
- [What Is Water Scarcity?](#) (1,372 words/ 4½ pages)
- [☰ Climate Change Effects | Guided Reading Handout](#)
- [☐ Climate Change: Effects | Presentation](#)

Homework

- **Watch:** [Climate Change and the Coffee Industry](#) (2:51)
- **Read:** [Climate Change Inequality](#) (16 panel cartoon)
- **Read:** [What Is Water Scarcity?](#) (1,372 words/ 4½ pages)
- **Complete:** [☰ Climate Change Effects | Guided Reading Handout](#)

Class Plan

- **Watch** - [What Is Climate Change?](#) (5 minutes)
 - Ask: What are some of the effects of climate change
- **Watch** - [Climate Change and the Coffee Industry](#) (10 minutes)
 - **Ask:** This video describes how climate change will affect coffee growers. What are some ways that you think climate change could affect your life?
- **View/Discuss** - View Climate Inequality slide (5 minutes)
 - **Ask:** Have you experienced a heat wave? Did you feel some of the same effects that Lee and their community felt?
- **Think-Pair-Share** - What are some ways in which your community has felt climate change unequally from other communities that you know of? How have location and income shaped that difference? (10 minutes)
- **View/Discuss** - View Water Insecurity and Water Use slides (15 minutes)
 - **Ask:** Why is water scarce? How is climate change contributing to water scarcity? What inequalities do you see in water scarcity across the globe?
 - Review the policies and technologies available for combating water scarcity. Split students into four groups and have each research how one of these policies and technologies is being used in your community.

Extension

If you have additional time, check out the [☰ Climate Change: Effects | Discussion Guide](#) for connections and extensions

Standards

Education for American Democracy Roadmap:

- What are the costs and benefits, and how are these defined, to different ideas of climate sustainability—for different peoples within the United States, and for the natural landscape? (CSGQ2.4B)

C3 Framework:

- D2.Civ.5.9-12. Evaluate citizens' and institutions' effectiveness in addressing social and political problems at the local, state, tribal, national, and/or international level.
- D2.Civ.13.9-12. Evaluate public policies in terms of intended and unintended outcomes, and related consequences.
- D4.6.9-12. Use disciplinary and interdisciplinary lenses to understand the characteristics and causes of local, regional, and global problems; instances of such problems in multiple contexts; and challenges and opportunities faced by those trying to address these problems over time and place.