



Climate Change & Food Systems





## Lesson Overview

- Students will learn how the food system is linked to climate change and the connections between climate change and agriculture.

## Learning Objectives

- Analyze how the food system contributes to climate change.
- Analyze how climate change affects agriculture.

## Essential Questions

- How can we reduce the food system's impact on climate change?





## Group Activity

- What does climate change mean to you?
- How does climate change affect food systems?
- How does climate change contribute to food insecurity?



# How Climate Change Affects Food Systems

- Climate change, agriculture, and food waste are interconnected.
- Climate change affects land availability, water supply, and temperature, all of which are critical to growing food.
- It also affects food availability and price.



# How Food Contributes to Climate Change

- Food systems contribute 19–29 percent of global greenhouse gas (GHG) emissions.
- Food waste accounts for 30-40 percent global GHG emissions.
- Food security and the effects of climate change can be improved through system-wide level efforts to rescue foods.





A close-up photograph showing several hands of different skin tones cupping small green seedlings in dark brown soil. The hands are arranged in a circle, creating a sense of unity and collective effort. A semi-transparent white circle is overlaid on the center of the image, containing text.

## Campaign for Community Food Action

Using the knowledge gained about the relationship between climate change and food systems, what system-wide actions can be taken to improve food security under improving and combating climate change?







Thank You!