

# ENVIRONMENTAL LESSON: CLIMATE CHANGE



How can we work cooperatively to lower our carbon footprint and address climate change?

## *Learning Outcomes:*

- **Knowledge and Understanding:** a. Students will demonstrate an understanding of the causes and impacts of climate change. b. Students will be able to explain the role of greenhouse gases and their contribution to global warming. c. Students will identify key scientific concepts and terminology related to climate change.
- **Critical Thinking and Problem Solving:** a. Students will analyze and evaluate different sources of information on climate change, including scientific research, news articles, and government reports. b. Students will develop strategies for mitigating and adapting to the effects of climate change.
- **Communication:** a. Students will effectively communicate their knowledge and understanding of climate change through oral and written presentations. b. Students will collaborate with their peers to discuss and debate the environmental, social, and economic implications of climate change.
- **Personal and Social Responsibility:** a. Students will recognize the importance of individual and collective actions in addressing climate change. b. Students will explore the role of governments, businesses, and individuals in promoting sustainable practices and reducing greenhouse gas emissions. c. Students will develop a sense of personal responsibility and commitment to making environmentally sustainable choices.
- **Civic Engagement:** a. Students will consider the effectiveness of different climate change initiatives and propose their own solutions. c. Students will explore ways to engage in economic and social practices to raise awareness and promote positive change regarding climate change.

## *Length of Activity & Lesson Outline:*

- 70 minutes
- Students will review the Climate Change Slide deck or document.
- Students will work individually or in small groups to design a cooperative solution to reduce climate change.
- Students will complete the Climate Change worksheet using information from the slide deck and their own work.
- Lesson instructions included in slide deck & document provided.

## *Materials List:*

- [Climate change slide deck](#)
- [Climate change worksheet](#)

## Optional:

- [Climate change- document version](#)  
(for use with assistive technology)

## *Curriculum Connections:*

- [Environmental Education- Ontario Curriculum](#)
- Grade 9 Geography
- Grade 11 Geography

## *For Teacher Support:*

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Feedback Survey: [Teacher Survey](#)



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