

Flooding and Climate Change

#FLOODED

Grades 3 - 12

Activity



Main Objective

Learners will learn about how climate change has increased the frequency of floods and its impacts.

Learning Outcomes

By the end of this activity learners will:

- Learn about how climate change has increased the frequency of floods and its impacts

Length of Activity: 1 - 1.5 hours

Step 1: Watch a documentary about climate change and flooding (60 minutes)

Step 2: Answer class discussion questions (30 minutes)

Materials Required

- Internet enabled device
- Assessment Rubric
- Flood:ED Backgrounder

Activity

Step 1: Watch a Documentary (60 minutes)

Begin by watching the following documentary on how climate change has increased flooding events:

 <https://www.youtube.com/watch?v=PjyX5dnhaMw> (60 minutes)

For more background resources on learning about climate change, its impacts and the policy solutions to address it, check out GreenLearning's program, Decoding Carbon: A Climate Policy Quest, linked below:

 <http://www.greenlearning.ca/decodingcarbon/>

In particular, the following activities in GreenLearning's Decoding Carbon program are recommended:

 [Activity: Global impacts of climate change](#) (2-2.5 hours)

 [Activity: How is climate change shaping this world?](#) (1-1.5 hours)

Step 2: Class Discussion About the Documentary (30 minutes)

After watching the documentary, discuss in groups:

1. Has climate change increased flooding in Canada?
2. Which cities in Canada are most prone to flooding?
3. Should flooding be addressed in climate change planning?



Additional resources on how climate change effects flooding:

- <https://www.marsh.com/ca/en/services/risk-consulting/insights/climate-change-and-flooding-in-canada.html>
- <https://www.unenvironment.org/news-and-stories/story/how-climate-change-making-record-breaking-floods-new-normal>
- <https://www.youtube.com/watch?v=1iLC2ODaWSY>