

# Flooding and Climate Change

#FLOODED

Grades 5 - 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>