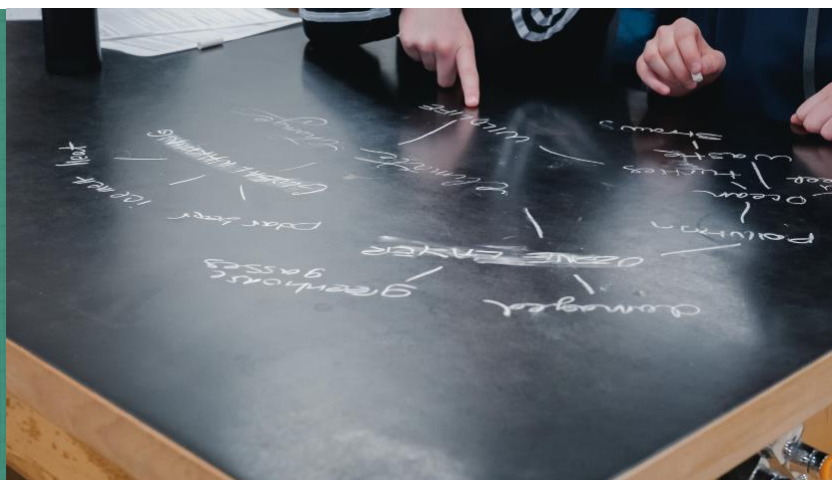


# Decoding Carbon

#DECODINGCARBON

Activity: Climate Change Policy Simulator



## Learning Outcomes

- Students will learn that there are no clear and easy policy answers- there are no policies that meet all potential criteria for 'good' climate change policy
- Students will learn to think critically about climate policy options when they read about them in the media, and when presented by governments and stakeholders as preferred policy solutions

## Curriculum Connections

- Grade 10 Science
- Grade 10 - 12 Environmental Science in British Columbia
- Grade 10 - 11 Social Studies in Alberta
- Grade 12 Canada & World Studies in Ontario

## Length of Activity

1.5 – 2 hours

## Materials List

- Topic Backgrounder
- Pembina Climate Policy Simulator Worksheet
- Marking Rubric
- Internet Enabled Device

## Activity: Step 1

Review the Climate Policy Options Infographic with class **(15 minutes)**

## Activity: Step 2

Conduct the simulation with class **(60 – 90 minutes)**

1. In groups, students will learn about the basic constructs of some of the climate change policy tools that are often supported by regulators and stakeholders by using the Pembina Institute's Energy Policy Simulator. [Click here to launch the simulator.](#) Take a few minutes to explore the simulator **(10 minutes)**
2. Students will download the "Pembina Climate Policy Simulator Worksheet.xlsx" provided and complete the simulation activity summarized on the "Pembina Simulator Activity" tab. **(45 – 60 minutes)**

## Activity: Step 3

After the simulator activity, students will break into groups to reflect on the exercise, exploring 'pros' and the 'cons' of each of these policy tools they utilized during the simulation. **(15 minutes)**

## Other resources:

Teachers may also modify this activity to use a different simulator available online, such as one available by [En-ROADS](#).