

# Climate Change 101 with Bill Nye

<https://youtu.be/3v-w8Cyfoq8>

## Key Terms:

- Climate Change:
  - Changes in the earth's weather. For example: changes in temperature, wind patterns, rainfall, and the strengths of natural disasters.
- Greenhouse Gases:
  - Certain gases in the air that trap energy from the sun. For example: carbon dioxide and methane.
  - Greenhouse gases are natural but because so much gas is emitted from our use of cars, factories, and other sources of pollution, there is too much greenhouse gases that are causing the earth's temperature rise

## Climate Change and its Consequences:

The earth has natural-occurring gases, such as carbon dioxide and methane. These gases aren't necessarily bad (we actually need it to survive), but if there is too much of it, the gases can become harmful and cause the temperature of the earth to rise. Most of the time, the heat from the sun enters the atmosphere and then bounces back into space, but because of all the greenhouse gases we have, the gases get stuck in the atmosphere, unable to escape back into space.

You may think, "So what if the earth's temperature rises a few degrees? How much harm can it cause?" It can actually cause a lot of harm. The earth and all living things inside of it balance on its temperature. Rising temperatures will cause sea levels to rise, putting coastal land across the world underwater. In addition, it will cause natural disasters to become even more intense and dangerous. Overall, rising temperatures will cause a domino effect of weather extremes due to CLIMATE CHANGE.

How has climate change affected your country/community? Do you remember any natural disasters that have happened in your country?

i.e. tropical cyclones, storms, floods, droughts, typhoons, fires, or earthquakes