



SfS Away from the Classroom!

ES20: Our Carbon Footprint (Recommended for Grades 3-5)

Please use the following resources to learn about what a Carbon Footprint is and how you can reduce yours.

Watch these Videos:

<https://www.youtube.com/watch?v=SzcGTd8qWTg> and <https://www.youtube.com/watch?v=Dwkh46MZulc>

Answer these questions:

- Can you describe the differences between weather and climate?
- How does a change in climate affect plants and animals?
- What is a carbon footprint and how is it measured?

Activities: Play a video game and make decisions to reduce the carbon in our atmosphere.

You will need:

• A computer and WiFi	• Pen	• Paper
-----------------------	-------	---------

Part 1:

Follow this link to play Habitat The Game, an online game. <http://www.habitatthegame.com/>

The goal of the game is to “adopt” a virtual polar bear and keep it alive and healthy by completing real-world activities to reduce your carbon footprint.

What changes did you make in your own household after playing this game?

Part 2:

Follow this link to an online calculator that will determine your real life carbon footprint, and ways to reduce it!

<http://www.parkcitygreen.org/Calculators/Kids-Calculator.aspx>



Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** There are many factors that contribute to the rise of carbon dioxide in our atmosphere.

- **Evidence:**

- **Reasoning:**

2. **Claim:** There are many ways I can reduce my carbon footprint.

- **Evidence:**

- **Reasoning:**