

Generation Green Project

Made by: Olivia



Hello!

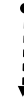
I am Olivia!

I am here because I want to share my project with you. My project helped reduce the amount of greenhouse gases that my family has used.

A watercolor illustration on the left side of the page. It features a vibrant green leaf with detailed vein patterns, positioned above a portion of a carrot root. The background is a soft, light blue and white wash, suggesting a natural, earthy setting.

The Process

During the month of January I recorded the amount of plastic bags my family used.



Then over the month of February I convinced my family to reduce the number of plastic bags that they used.



Then finally I found the mass of the plastic bags and calculated my impact.



Different Ways to Reduce and Reuse Plastic Bags

- Use reusable containers in your lunch
- Use reusable bags when you go grocery shopping
- Use eco-friendly bags
- Get a reusable water bottle instead of using the plastic water bottles

A watercolor illustration of a wind farm. The scene is dominated by a large wind turbine in the foreground, with several others receding into the distance. The sky is a mix of soft blues, oranges, and yellows, suggesting a sunrise or sunset. The ground is depicted with various shades of green and blue, representing grass and shadows. The overall style is artistic and painterly.

My Calculations

First I figured out the mass of the ziploc plastic bags and the grocery plastic bags.

1 Ziploc plastic bag = 1.6 grams (approximately)

1 Grocery plastic bag = 5.5 grams (approximately)

Then I multiplied those numbers by the number of plastic bags that were used.

After the first month it gave me a total mass of 174 grams.
My baseline emissions was 157.97 gCO₂eq.

After the second month it gave me a total of 64.3 grams.
My program emissions was 58.38 gCO₂eq.

$$157.97 - 58.38 = 99.59$$

Over the span of 29 days I made an impact of 99.59 gCO₂eq.

My family reduced a total amount of

99.5918

Grams of CO2 emissions per every 29 days

Below is a table that shows the amount of Greenhouse gases my family reduced



	The amount of greenhouse gas emission reduced in grams
Per day	3.4342 gCO ₂ eq
Per week	24.0394 gCO ₂ eq
Per month	104.7431 gCO ₂ eq
Per year	1253.4834 gCO ₂ eq



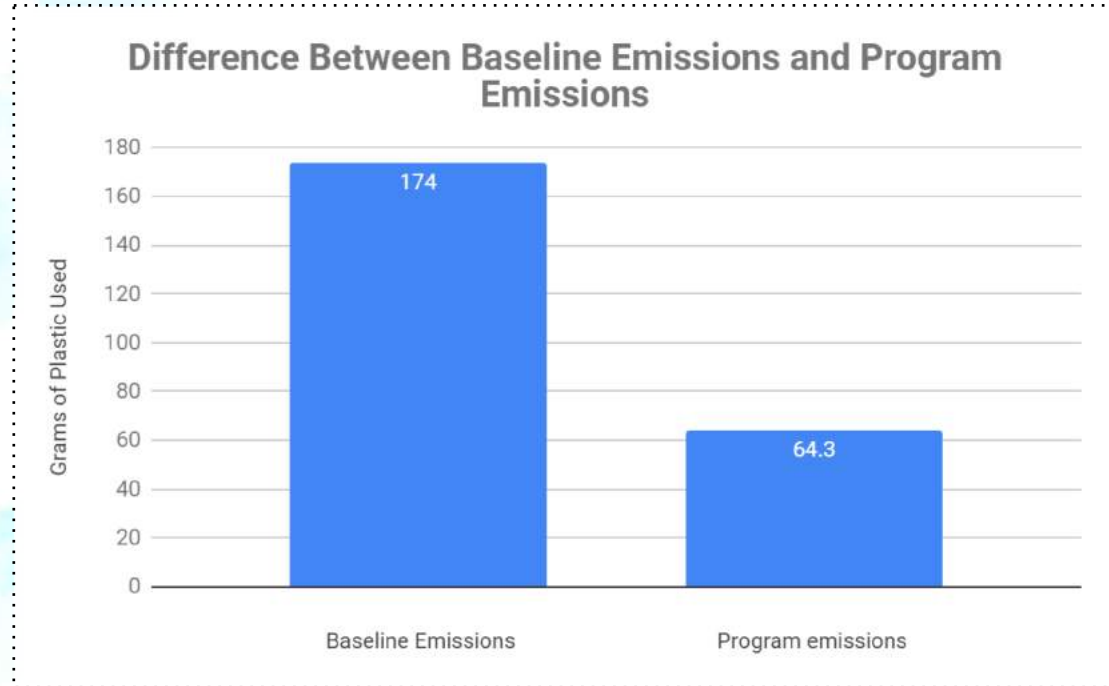
Did I Run Into Any Challenges

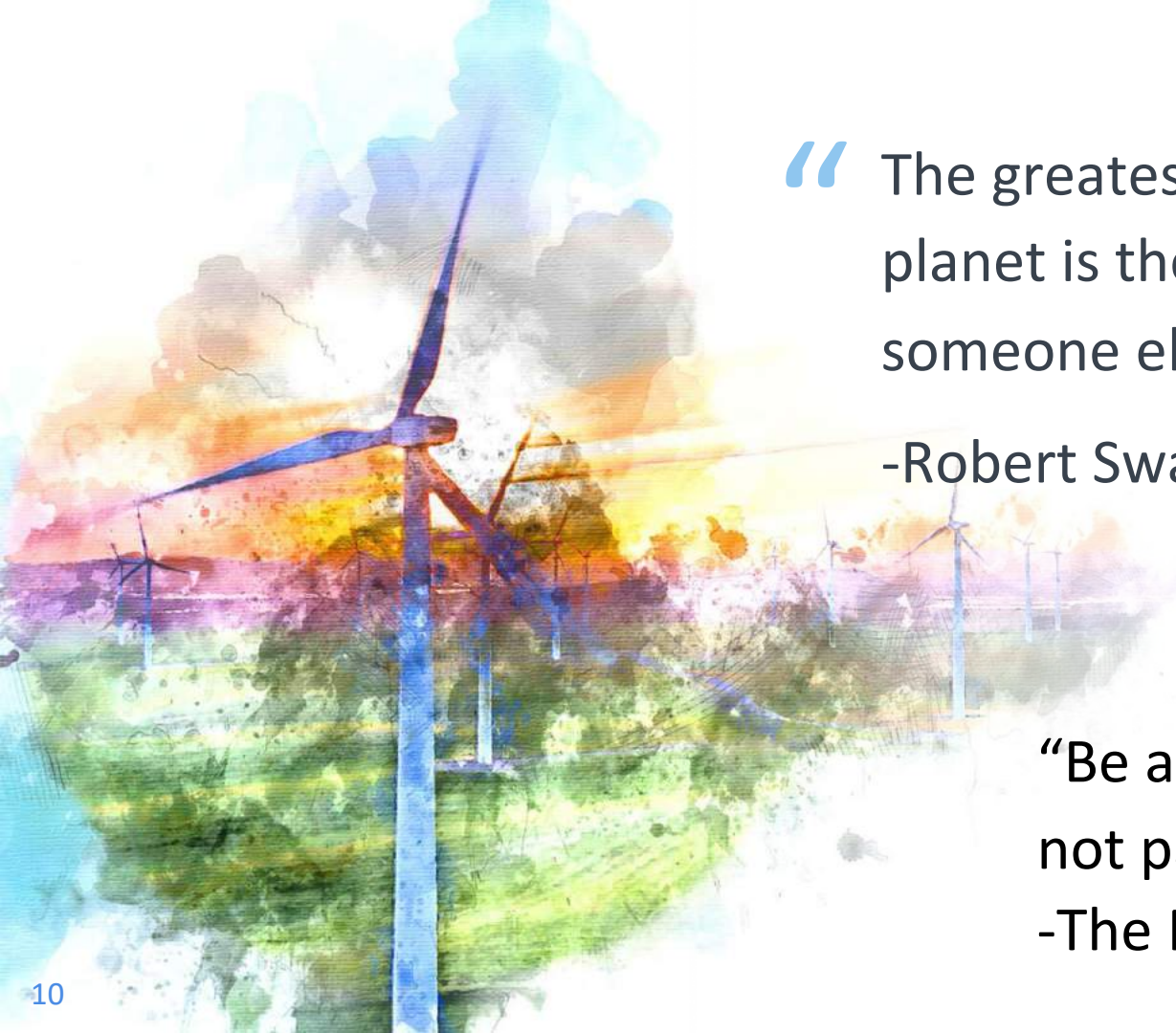
- One problem that I ran into was convincing my family to reduce the amount of plastic bags they use.

This was a challenge because my family had been using plastic bags for a very long time and it was a little hard for them to stop. However, when I explained to them how much damage they were doing to our planet, they almost instantaneously started reducing the amount of plastic bags they were using.



The graph below demonstrates the difference between the amount of plastic bags used before we tried reducing it and the amount of plastic bags used after we tried reducing it.





“ The greatest threat to our planet is the belief that someone else will save it”

-Robert Swan

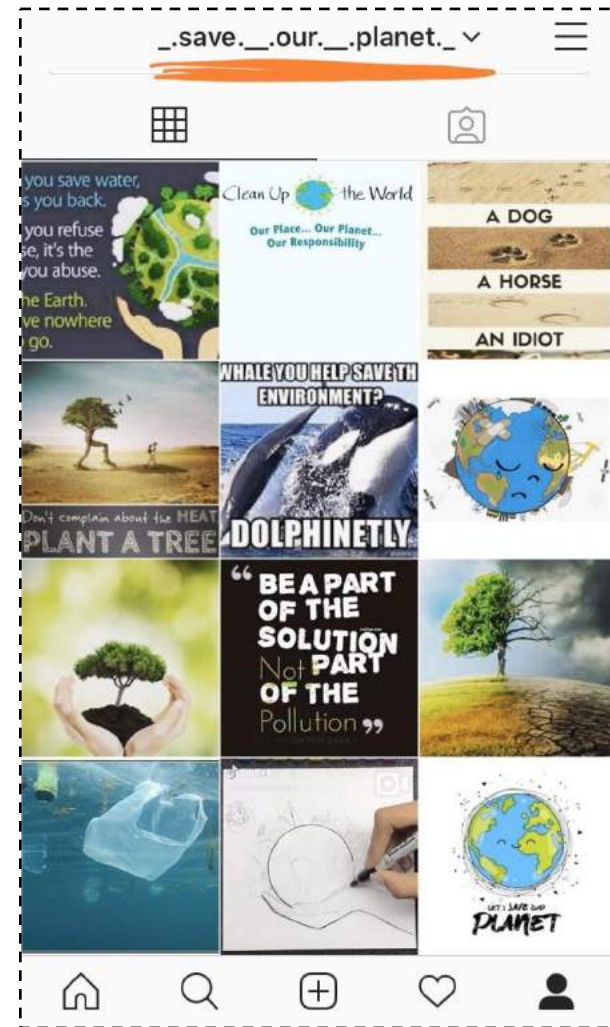
“Be a part of the solution, not part of the pollution”

-The Fresh Quotes



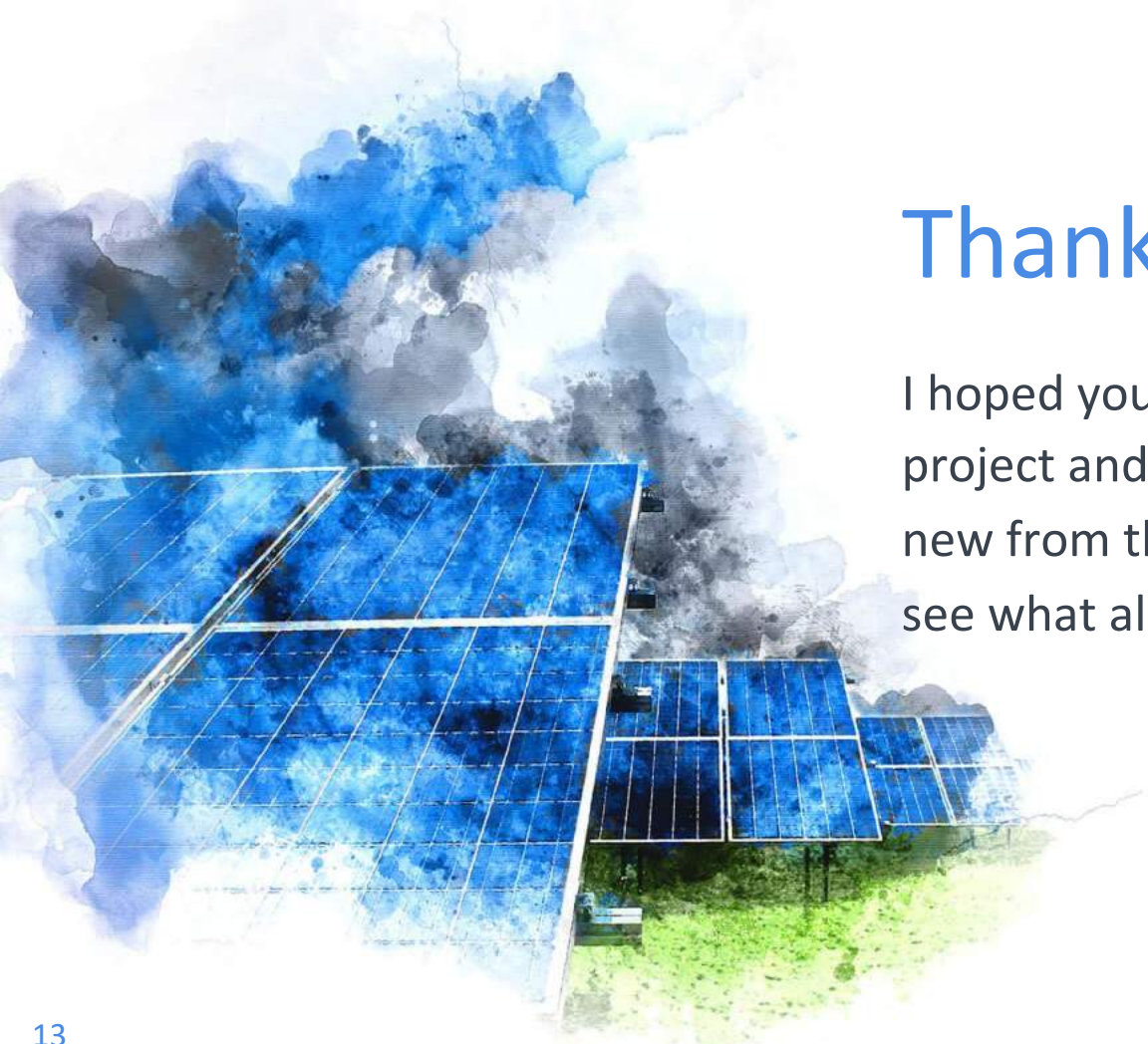
Here are the ten posts that I posted on my Instagram

Feel free to go check out my Instagram
@_save._.our._.planet._



Even the smallest impact can make the biggest difference.





Thanks!

I hoped you enjoyed learning about my project and I hope you learned something new from this presentation! I can't wait to see what all of you did for your projects!