



Saving the Environment one bite at a time

Introduction

We are a group of students, called Green Anatomy, that are working to make lunches at our school more environmentally friendly. We have all participated in the environmental club for numerous years. This year we decided to branch off from that club and start our own little group, Green Anatomy. Our names are: John, William, Kate and Jack. We hope you enjoy learning all about our project.



This is our logo, it shows that we need to protect our earth as if it were your child. This is shown by having hands holding it.



1. Let's get going

What is our project?

What is our project?

The company Lunch box has been providing hamburgers from Harveys to our school, once a week for the past 5 months, and for all of the 2018-2019 school year. When you order, you can either order a junior cheese burger, or a junior burger. These burgers produce about 0.126 pounds of methane and are harmful to our environment. Our solution is to find an alternative restaurant such as Freshii, where the menu they have provided us has many more vegetarian options. This will be much better towards our environment, and we hope we'll be able eventually not only at our school, but replace more harmful lunch programs, and provide children with a much healthier alternative, which is also much more environmentally sustainable. Freshii is a much better option, not only because it has lots of vegetarian options, but also because it has a much closer location to us, meaning that the transportation emissions from the car that would be bringing the food to us would produce much less ghg emissions from its drive. We will receive the food through Lunch Box.



Lunch Box

LunchBox is an online program that partners with companies such as Freshii and Harveys, and other companies to provide lunch to schools.

How it works



Create an Account

Create your account with Lunchbox Orders in just a few easy steps.



Select a School

Select your child's school and teacher to coordinate lunch delivery to your child's classroom.



Choose a Meal

Select from a menu custom built for your school. Meals may be ordered weekly, monthly or for the balance of the school year.



Enjoy!

A delicious and healthy lunch child will love!



Why did we chose this project?

We choose to focus on reducing the meat consumption at our school because we saw it emitted lots of GHG emissions.





EAT 
LESS
MEAT



“

Nothing will benefit health
and increase the chances
for survival of life on Earth
as the evolution to a
vegetarian
diet. -Albert Einstein



Math

How we calculated our GHG emissions



Food before

Quantity

Our school ordered a total of 76 beef patties, per month. 56 of those burgers were cheeseburgers. So 76 burgers and 56 slices of cheese. We calculated that for 5 deliveries our emissions would be equal to 91.2kg GHG emission for the burgers. For the 56 slices of cheese it is 7,840g c02 emissions.

Carbon intensity

The carbon intensity for beef is 27 kg Co2eq/kg and for cheese it is 13.5kg CO2eq/kg food



Food after

Quantity

Using the same math as the food before, we measured food items from Freshii. We measured the Fiesta wrap, Fiesta salad, and the mediterranean salad from freshii. The mass comes in at 0.15kg for the Fiesta salad, 0.2kg for the Fiesta wrap, and 0.16kg for the mediterranean salad.

Carbon intensity

We found the for the fiesta salad it is 4.9kg CO₂eq/kg food for the fiesta wrap it is 2kg CO₂ eq/kg food and for the mediterranean salad it is 2.1kg CO₂eq/kg food.

Emissions-food

Our baseline emissions for food is 2,568,240.00gCO₂eq and our program emissions is 1471.00gCO₂eq.

Therefore our impact in the food category is 512,177gCO₂eq per day



Waste

Baseline: 13.07 grams of waste went into a landfill and zero waste went into recycling and compost. Program: 6.9 grams go into landfill and zero go into recycling or compost.

Baseline Emissions:
13.07gCO₂eq
Program Emissions: 6.90gCO₂eq.
Impact: 1.2346845gCO₂eq per day



The impact of our program is equal to:

512826.9947gCO₂eq

per day!

This factors in transportation food and waste.



Problems

(There were alot!)



Problems

1) The first problem that we faced was that we were temporarily unable to use Freshii as our Lunch Box provider. As Freshii was not in our “contract”

2) Another problem we had was learning how to do the calculations. No matter how helpful the book was we could not get the numbers we were looking for.

3) The biggest issue of them all was the E.T.F.O. strikes. Since we were off school for many days we were unable to get the food to come to our school as well as it was difficult for us to meet up as extracurriculars were cancelled



Solutions

With the help of our school administration, we were able to get in contact with Freshii and Lunchbox, to modify our contract to have Freshii be a provider option.

We got in contact with Alana, who was able to further explain the algorithms, as well as we studied the conference toolkit, and learned how.

We made a detailed plan of how we were going to implement our project after the strikes finished, or next school year, or in the summer at camps.



Next steps

Getting the Food

Then we will coordinate a time that Freshii will come and drop off the food to our school.

2



3

What will happen to Green Anatomy next year?

Since we will be leaving school next year we plan to talk to a younger student and try to get them to continue what we started. We also plan to extend environmentally friendly lunches further then just at schools. We would like to promote a vegan company that caters Party or summer camps so people can be more environmentally friendly!

1

In Our School

We did our planning but unfortunately our project could not happen. So the day all of the strikes are over we are going to go into the office and talk to admin to get our idea up and running again.



Continuing to make a difference

We hope to have a long lasting impact on the environment. This is because we know that our earth is in danger, which is why our project is ongoing. We will continue to make a difference by implementing this program at our high school next year, and finding other ways to reduce meat consumption such as changing the lunch program at camps during the summer.





Why we are inspired to take climate action!



We are inspired to help the earth because we love our environment. We love the forests in our community. We love taking long walks at school. We love everything our earth has to offer. But, it is dying. It is dying because us humans are killing it. We knew that we need to do something. So once we found out about the Gen Green conference, we thought that this would be a great conference to attend to help us gain knowledge to save our earth, and inspire us to take more climate action around our community because we feel it is necessary. Every small action counts, so we did our part this year, and worked hard to significantly reduce the GHG emissions from our schools lunch programs.

Thank you to Generation Green

Thank you to Gen green, Alana, Lisa Kohler, everyone who made Gen Green possible, and HEN.. You all get youth involved in real climate action. Thank you all so much for all of the emails and help along the way. Everyone we have mentioned has been a huge help and our project wouldn't have been possible with you. Thank you.



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Green Anatomy

We are a group of elementary students working to create an environmentally stable tomorrow!! #gogreen #greenanatomy @haltonclimatecollective



Posts



Fossil fuels



Shoutouts



Greta Thu...

POSTS


TAGGED

About two thirds of global greenhouse gas emissions are linked to burning fossil fuels for energy to be used for heating, electricity, transport and industry.

Extracting fossil fuels can cause soil erosion, fires and chemicals can leak into water systems

Combustion of fossil fuels also releases air pollutants that harm the environment and human health.

Burning fossil fuels can release toxins like sulfur dioxide and carbon dioxide which can cause acid rain



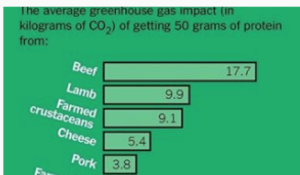
Be a part of the solution not the polition





Not so fun fact:
If the entire world lived like the average American, we'd need five planets to provide enough resources.



TRUTHOLOGY



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In closing, we have made a difference in the GHG emission that are being put out into the environment. With our project we inspire others to change the environment by ordering vegetarian meals to eliminate the need of meat in our school. I'm sure that all of you have done the same with your amazing projects. Together we can save this earth, and I know that we all will continue to make an impact!