

GenGreen Report

Carpool Bananza!

By: Hannah and Jane

Who? The sisters.

My name is Hannah, I am a dancer and a cellist. I am involved in my dance studio, helping little kids learn how to dance and I have played in an orchestra for 3 years. I am very passionate about the environment, I am in my schools eco club and have been involved in campaigns such as, Kids Say No to Palm Oil, Plastic Posse, The Great Big Pull, Living Labs and Earth Day Cleanups.

My name is Jane, I am a dancer and I am flautist. I am also involved at my dance studio helping little kids learn ballet. I have been playing flute for around 5 years. I am also in my schools eco club, I have also worked on the Kids Say No to Palm Oil campaign with my sister and last year I worked with my friend and we did a project on water conservation for Water Day to raise awareness about why pollution is bad and the importance of clean water. I am part of the Eco Club and Gardening Club at my school too.



What?

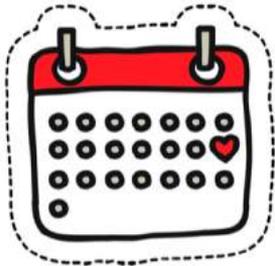
Carpool Bananza is a Generation Green project evolved around transportation and the positive effects of carpooling on GHG reduction. The goal was to see how impactful carpooling is if everyone carpooled once at our dance studio.

Carpool Bananza consisted of two surveys send out to the participants via a group chat. The first survey was to collect data on our friends normal habits and emissions, and then the second part was asking everyone to carpool once, and then we track the emission once again.



When?

Carpool Bonanza was a four week project spanning from February 11th to March 5th. February 11th we gave a presentation to our dance classes, February 17 the first survey was sent out to those who highlighted their interest. We gave them until March 1st, when the second survey was sent out, this gave the dancers an opportunity to carpool once on their way to and from dance. We had all the data by March 5th and we started to calculate the emissions.



Where?

Carpool Bananza took place through our dance studio. We asked friends who were in our classes to be a part of the project.





Why?



As part of Generation Green we wanted our project to evolve around something we had not had any experience with, and something that could support emission reduction.

We noticed that so many dancers drive solo to the studio, and thought this project could work and support Gen Green's mission.

We created our project, Carpool Bananza, to encourage dancers to carpool to limit their GHG emissions.

Another factor that influenced us to engage our dance studio, is that we are currently in the process of learning a climate change dance for our year end performance. This piece features Greta Thunberg asking the world to act on climate. From this, our class is asking many questions concerning climate change, so we took the opportunity for our friends to feel like they can make an impact through Carpool Bananza.

How?



The project was approved by our amazing dance teacher who let us introduce the project and ask for individuals to participating in Carpool Bananza. With those who showed interest we created a group chat and sent information, links to both surveys and reminders out.

These surveys, enabled us to calculate normal and carpooled GHG emissions.

Form #1: <https://forms.gle/mVua1sHaVhBhTs9i8>

Form #2: <https://forms.gle/KEX2wTPx5CQgQuvH7>

Calculations:

https://docs.google.com/spreadsheets/d/1e53t2iJXf22wkfLmApekMOHI1AWHm3I-NaTdumQ_uSI/edit?usp=sharing

Our methodology

We collected all our data from our two surveys including what type of vehicle the participants drove, the distance, and how many trips they are making to and from the studio .

From this data we used the GenGreen calculations template (https://drive.google.com/file/d/12gwmTebxZdGy7Fu-2IHMzrjqC4G_vGuu/view?usp=sharing) to calculate all GHG emissions based on fuel used for 100km per type of car and then the CO2 emissions per litre of fuel.



Results of the project

From 10 dancers carpooling once in a week, we reduce 1.2024946L of fuel which equates to 2,786.17999gCO₂.

In a year that would be 62.746182L which is 145, 382.872gCO₂.

This doesn't even include the other 240 (approx.) dancers at the studio. If all these dancers could carpool twice, three times a week, imagine the positive impact.

Calculations:

https://docs.google.com/spreadsheets/d/1e53t2iJXf22wkfLmApekMOHl1AWHm3l-NaTdumQ_uSI/edit?usp=sharing

Next steps

The next steps for this project would be to implement this project into more areas of our community, such as schools, other dance studios, sports teams, music ensembles etc .

Another next step would also be to make the community more familiar with carpooling, so that people can realize that an easy switch once a week can truly make an impact on reducing GHG emissions and ultimately helping our climate.



Assumptions and Estimates



We did make some assumptions. Since an unequal amount of people filled out the surveys/not everyone did both, we took the data from the first 10 to submit each time since ten is an easy number to work with.

This did change the results as it wasn't the same 10 people, although we tried to make it. So one person's emissions to get to dance might be less than someone else's, so that will have an impact overall but the whole point is that carpooling does reduce emissions and does help our climate.



Creativity, innovation and impact!



This project is creative because it is something new that we incorporated with our dance studio. We saw the problem at hand and then we created this Carpool Bananza to help reduce GHG emissions. We made it fun and updated the participants, to make sure that they knew carpooling makes a positive difference.

This project is innovative because it supports participants, and has a positive outcome for our earth, parents, and dancers who are able to have extra time with their friends as they drive to the studio together.



Creativity, innovation and impact! #2

This project is impactful because it significantly reduces our GHG emissions from more people sharing the same fuel to get to the dance studio. In a year, if 10 dancers carpooled once each week for a year, we would reduce 145,
382.872gCO₂!

Carpooling is an easy and effective way to reduce everyone's carbon footprint and together if everyone carpooled a little bit more we could make a huge difference!!

Thank you!

We wanted to say a BIG Thank you to our dance teacher, our dance friends, the dance parents, Alana and Afreen from HEN.

We feel really grateful to have had the opportunity to be part of GenGreen and make a real difference!

thank
you

