

Final Deliverables and Presentation

Written Deliverables (50 points):

Food Literacy Project

Project Information

a. *What is the project scope? Include background information if necessary to understand the task.*

The main goal of the Food Literacy project is to educate and inform students about sustainable foods in effort to motivate people on campus to adapt their diets to be more eco-friendly. We decided to specifically focus on how to lower fossil fuel usage, water consumption, and food waste at the ISR dining hall.

b. *What did you accomplish?*

We were able to research information on what makes a diet sustainable by looking into which types of food require the most water and highest carbon footprint to produce. We learned that fruits and vegetables that are grown locally can offset negative environmental effects like climate change, deforestation, and eutrophication caused by unsustainable agriculture practices.

c. *Who did you collaborate with? (Organization titles rather than people's names.)*

We surveyed students on campus to find out which environmental issues were most important to them. From there we met with the assistant director of the dining hall to communicate our ideas and settle on the best option for displaying the food literacy information.

d. *What was the result of your project work and how will it be used in the future?*

Given all the factors that were brought up in our meeting with the assistant director of dining, we decided creating posters and infographics that could be put up around the ISR dining hall would be best. We created multiple posters that motivate students to throw away less food and show how much water and fossil fuels are consumed in order to produce certain foods.

Timeline Reflection

Task	Hours Spent on Task	Reflection of Task Work
Research other schools (Harvard) and their food literacy methods	3 hours	This task was fairly easy given that a lot of the information was online. However, Harvard implemented methods that we could not implement on campus just yet so we had to tailor the information to best fit our needs.
Figure out what aspects of Food Literacy we want to focus on (survey students on campus)	2 hours	This task was easily completed. We created a quick survey that we sent out to students to see which issues we should focus on.
Look at ISR dining hall to understand their layout and what methods would be best to implement	1 hour	This was an easy task. We considered ISR's layout when deciding how we wanted to display our food literacy information.
Ask staff for permission to carry out the project	2 hours	This task was a little difficult because we had to bring our ideas to the staff and then create a compromise as to how our information would be displayed. We had certain ideas in mind that we had to sacrifice since they could not be implemented at this time.
Research food sustainability levels and food literacy information for the posters and infographics.	2 hours	This information was a little hard to come across since we were looking for detailed statistics.

Create the posters	4 hours	The posters took a lot of time to create which made it a difficult task.
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Final Takeaways

What is your biggest takeaway from being a part of this project in collaboration with iSEE?

Maya: Personally working on a project like this has made me more aware of my carbon footprint and my impact on the environment. I have been more mindful during my own trips to the dining hall in regards to how much food and take while I try to limit food waste.

Susie: Before coming to college, I was very environmentally conscious and once I arrived on campus, I felt as if there was nothing I could do to further lower my carbon footprint or decrease my impact on the Earth. After completing this project, I became aware that making smart and sustainable food choices is a great way to offset negative environmental effects. My greatest take away is becoming aware of the fact that no matter where I am, there is always something I can be doing to help the Earth.

Explanation of Deliverables

The deliverables that we have attached to the submission folder are posters that we created to educate our peers about their foods sustainability levels. These posters include information about sustainable diets and how certain food choices can offset negative environmental impacts.

Presentation (50 points):

1. Explain what you created as a final result/deliverable for your project. (10 points) (M)

- Posters/Infographics
 - Educates students on what a sustainable diet is
 - Shows how much water and fossil fuel consumption is needed to produce certain food
 - Communicate the benefits of adapting diets to be more eco friendly

- Motivates students to waste less food

2. What lessons did you learn as a consultant? (10 points) (S)

- How to plan out our time
- How to communicate with others
- How to modify our own plans to fit constraints
 - We wanted to use symbols on the food cards to communicate the different sustainability levels of foods, however this idea was too complex to be completed so we had to modify our original plans

3. What did you learn about the importance and implementation of sustainability in engineering projects? (10 points) (M)

- Sustainability is important to ensure the future
- Engineers look towards the future with big plans and innovations
- It is crucial that these two mindsets connect in order to create efficient and less environmentally impactful designs and projects

4. How has your view of sustainability changed with your project experience? (10 points) (S)

- There are many aspects of sustainability that overlap with one another
- Sustainable food involves:
 - Agriculture
 - Deforestation
 - Eutrophication
 - Destruction of ecosystems
 - Threatening to animal extinction
 - Water consumption
 - Fossil fuel use
 - Transportation
 - Release of greenhouse gases as food decomposes
- The Earth is connected in many different ways

5. Answer individually: What will this experience do for you moving forward/where do you see yourself going? (10 points)

- Susie:
 - I see myself continuing to get involved in many projects that involve sustainability and the Earth
 - I hope to continue to educate myself and others on actions we can take to care for the environment and prevent further damages
- Maya:
 - I have already begun to be more cautious of how much food I take at dining to avoid food waste and I see myself doing that in the future as well

- I also take recycling more serious now and going forward I will recycle as much as I can
- I never looked into the sustainability aspects of the food I eat so now that I know more about the things I consume I see myself being more mindful of my food's carbon footprint
- I will also be sure to educate my peers about the things I have learned