Don't get a milk if you don't want to drink one!

RISE GREEN TEAM
CAFETERIA CLEANUP

The Rise Cafeteria Cleanup

By: Green Team

Overview of Project

For our project, we are addressing the problem of waste in the cafeteria by encouraging students to recycle, compost, and reduce milk waste.
The problem the project addresses is wasting milk, wasting lunch, not recycling milk cartons, not composting, and too much waste in the cafeteria.
We picked it because we want to create a cleaner, more sustainable environment at school and teach students about reducing waste.
The technology we use are 3D printers, Chromebooks, Canva, and other tools like scales to measure the amount of waste we reduce.
So far in our project, we have conducted research, decided on a system that will work for us, worked with a student from The Hill to design and build our custom system, and designed the posters for the design. Once we get our system, we will begin promoting and using it in the cafeteria.

GUIDING QUESTION 1 (EMPOWERED LEARNER)

What is the CHALLENGE, ISSUE, or QUESTION you to solved with your project? (i.e. Why is it important to your Project Team? Who will benefit?)

- The problem our project addresses is too much waste in the cafeteria. We are wasting our food and milk. Everything is going in the trash right now.
- This is important to our project team because we want to make our school more eco-friendly by reducing waste and teaching others about recycling and composting. By solving these issues, we can help create a cleaner and more sustainable environment at our school.
- The people who benefit from this project include everyone at the school because it will help make the cafeteria cleaner, reduce waste, and promote better habits that help the environment.
- We also save our school money. It is free to pick up the recycling bins but we pay every time our trash is dumped. If we waste less and recycle more, the school needs fewer trash pickups, which means lower costs for garbage services.

GUIDING QUESTION 4 (INNOVATIVE DESIGNER)

What will the project do to solve/address the Challenge, Issue, or Question?

(i.e. What is your Project Team doing?)

- Our project is solving the issue by:
  - Stopping milk waste by:
    - Encouraging students to only take milk if they are going to drink it and providing reminders to reduce waste.
    - We'll have competitions between classes to see who wastes the least milk.
    - We've made posters with fun messages, like from a cow's point of view saying, "Don't waste my milk!"
    - We'll also make announcements on the school TV or during morning meetings to remind everyone.
  - Recycling milk cartons by setting up a dedicated recycling station where students can easily dispose of them.
  - Creating stations for composting and recycling to make it easier for students to separate food scraps, recyclables, and trash.
    - Then, we'll use the compost to grow plants and vegetables in our school garden, showing how the food scraps can help us grow new food.
- These actions will help reduce waste in the cafeteria and promote more sustainable habits among students.

GUIDING QUESTION 5 (COMPUTATIONAL THINKER)

What outcomes will you measured to prove that your project was impactful?

(i.e. What is your goal and how will you know you reached it?)

- Our goal is to stop waste in the cafeteria. We know our project is impactful when:
  - Scholars are wasting less milk, which we can measure by tracking the amount of milk dumped or not consumed. We plan to have the girls dump their un-drank milk in a bucket and weigh each classes waste.
    - We will have a competition between classes to help motivate the girls to waste less. We will keep track of the data on a Google Sheet.
    - Tracking data on how much milk is being dumped so we can see if we reduced waste over time.
  - Scholars are using the recycling bin for their milk cartons.
    - Before recycling, we'll count how many cartons are wasted in one week.
    - After starting recycling, we'll count again and compare the numbers to see if the waste has gone down.
    - We'll make posters or charts to show how many cartons we've saved from going to the trash.
  - Scholars are composting their food scraps correctly.
    - We'll reduce food waste by collecting leftover scraps and turning them into compost.
    - We'll measure the amount of food waste before and after we start our compost project.
    - Then, we'll use the compost to grow plants and vegetables in our school garden, showing how the food scraps can help us grow new food.
- If we see less milk waste and more recycling and composting, then we'll know that our project is helping create a cleaner and more eco-friendly cafeteria.

GUIDING QUESTION 3 (KNOWLEDGE CONSTRUCTOR)

What technology tools will you utilized to help you bring your project to life?

- The technology we use is:
  - 3D printer to create a trophy for the project, which will recognize the best effort in reducing waste.
  - Canva to design posters that will help promote the project and encourage students to participate.
  - Chromebooks for tracking waste data, managing the project, and sharing information with the school community.
  - Scale to measure the amount of waste being recycled or composted, helping us track progress.
  - Setup for each bin to organize and clearly label recycling, composting, and waste bins in the cafeteria.
- These tools will help us bring the project to life by making it easier to track, share, and encourage everyone to reduce waste!

GUIDING QUESTION 2 (DIGITAL CITIZENS)

How will you shown that you use information, media, and digital resources responsibly, safely and in a positive way?

- We use information, media, and digital resources in a responsible way by using them only for project-related purposes, such as tracking waste, sharing information, and promoting the project. We ensure that any data we collect, like how much milk is wasted, is kept private and used only for the project. We also follow the guidelines set by our school for online activities, making sure we use the correct platforms to communicate with others.
- We use these resources in a safe way by ensuring we only access safe websites and resources related to our project. We keep our personal information private and not share anything sensitive online. Additionally, we have an adult guide us when we use new tools or platforms to make sure we stay safe.
- We show that we use these resources in a positive way by sharing important information that inspire others to reduce waste and become more eco-friendly. We promote kindness and teamwork, encouraging everyone to get involved and make the cafeteria a cleaner place. By celebrating our successes and sharing positive updates, we show the impact of our project and motivate others to participate.

GUIDING QUESTION 7 (GLOBAL COLLABORATOR)

Who will you worked with to help learn about your project, work on it, and make it stronger?

- The people we work with to learn about our project, work on it, and make it stronger are:
  - Dr. Witt to help with planning, organization, and presentation of our project.
  - Mrs. Bruno for support and guidance, ensuring the project aligns with school goals.
  - Live Green Lex (Danny and Sagan) for expertise in sustainability and helping us set up recycling and composting stations.
  - Harrington for advice on managing waste and measuring our progress.
  - Custodians to help with maintaining the cleanliness of the bins and ensuring they are used properly.
  - Cafeteria workers for cooperation in encouraging students to recycle and compost during lunch.
  - Mrs. Bennett for helping the girls to use the system and think of ideas to make it work
  - Welding students from The Hill to build our custom design
- These collaborators will help us make our project successful and ensure we have the right support and resources.
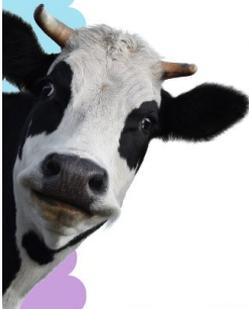
GUIDING QUESTION 6 (CREATIVE COMMUNICATOR)

How will you tell the world about your project?

- We will tell the world about our project by:
  - We'll make graphs and charts to show the results.
  - Presenting and teaching other classes about our project to encourage everyone to participate.
  - Sharing on Rise and Shine to announce updates and progress to the entire school.
  - Posting on Dojo to keep parents and the community informed about our efforts.
  - Including information in the newsletter to spread the word to the school and beyond.
  - Calling the news to get wider coverage and raise awareness of our project.
  - Contacting local news outlets with a quiz or story to engage the community and promote our project.
- These steps will help make sure as many people as possible hear about our project and join us in reducing waste in the cafeteria!

Reuse
Put unopened food here.

RISE GREEN TEAM
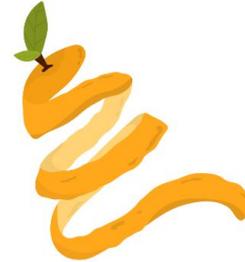CAFETERIA CLEANUP

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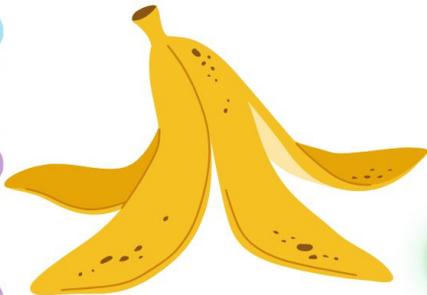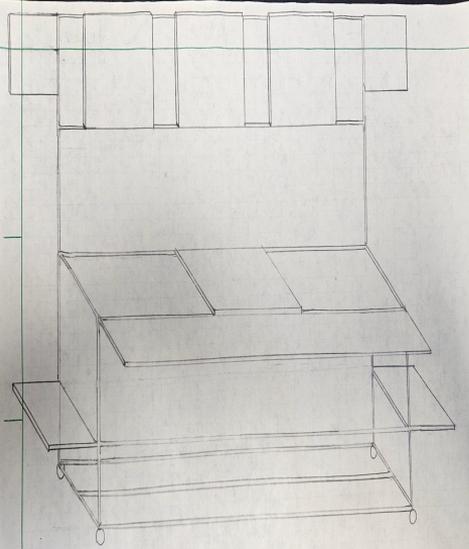
Landfill

DUMP THE REST OF YOUR TRASH HERE!

Compost

STEM ACADEMY FOR GIRLS
RISE

Apple Cores
Banana Peels
Orange peels
Salad (without ranch)
Vegetables
Fruits

COMPOST

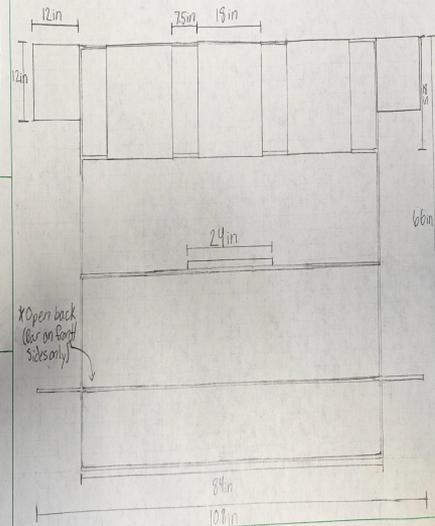RISE GREEN TEAM
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Plans for the Cleanup Station

Top View Scale: 1ft = 1in

108in

30in

10in

30in 24in 30in

84in

Front View Scale: 1ft = 1in

12in 75in 15in

12in

18in

24in

66in

*Open back (bar on front & sides only)

84in

108in

Side View (Right) Scale: 1ft = 1in

18in

66in

10in

30in

12in

*Open back (no bar on front only)

30in

66in x 108in (5½ft x 9ft)

RISE Cafe Cleanup

*Open back (bar on front & sides only)

Scale: 1ft = 1in