

Food Waste Educational Activities at the Canton Middle School

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Why we wanted to work with the Canton Green Team

- **Teach students**
 - How to best use food waste
 - What they can do to help the food waste problem
 - How to live more sustainably
 - Relevant environmental issues
- **Inspire students to become more passionate about STEM**



Overview



LESSON 1: WHERE
DOES OUR TRASH GO?



LESSON 2: ANAEROBIC
DIGESTION AND
COMPOSTING



LESSON 3: REDUCING
FOOD WASTE



LESSON 4: DISCUSSION
AND TRIVIA



Lesson 1: Where Does My Trash Go?

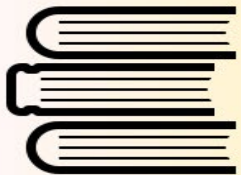
- Learning Objective:

- 5 main ways to get rid of their trash and the benefits of each
 - Recycling
 - Composting
 - Anaerobic Digestion
 - Incineration
 - Landfill

- Activity Content:

- Hands on Sorting game

Recycling	Landfill	Incineration	Compost	Anaerobic Digestion
Glass bottle	Chip Bag	Wood	Paper bag	Milk
Newspaper	Fabric		Leaves	Cooking oil
Lightbulb	T-shirt		Lettuce	Bread
Plastic Bag	Aluminum foil		Eggs	Manure
Plastic bottle			Paper	Potato peels
Batteries			Cardboard box	Apple
Catfood can			Coffee grounds	Orange
Soda Can			Banana	
Metal				



GREEN TEAM!



Lesson 2: Anaerobic Digestion and Composting

- **Learning Objectives:**

- What is anaerobic digestion?
- What is composting?
- What types of food waste can go into each?

- **Activity Content:**

- BINGO game on all types of waste disposal methods which are:
 - Anaerobic Digestion
 - Composting
 - Recycling
 - Incineration
 - Landfill (this is a last resort)

Trash BINGO

Recycling	Composting	Landfill	Anaerobic Digestion	Composting
Anaerobic Digestion	Composting	Incineration	Recycling	Landfill
Landfill	Landfill	FREE SPACE	Recycling	Anaerobic Digestion
Anaerobic Digestion	Composting	Composting	Anaerobic Digestion	Recycling
Composting	Incineration	Anaerobic Digestion	Composting	Anaerobic Digestion

Lesson 3: Reducing Food Waste

- **Learning Objectives:**
 - What is wasted when you waste food
 - How to use food before it goes to waste
 - What is the food waste hierarchy
- **Activity Content:**
 - Skribbl.io drawing game



skribbl.io



Lesson 4: Discussion and Review

- **Learning Objectives:**
 - Reviewed and assessed what the students learned
 - Open ended discussion
- **Activity Content:**
 - Kahoot review trivia game



Kahoot!

Discussing Attendance

- 36 students attended
 - Over the course of 4 lessons we averaged about 17 students per event
- 17 students attended only one lesson
- 10 students attended two lessons
- 6 students attended three lessons
- 3 students attended all four lessons

Total 3/3	Total 3/10	Total 3/17	Total 3/24
19	21	10	17
	Total Overall	Total Unique Students	
	67	36	
Total Attending Once	Total Attending Twice	Total Attending Thrice	Total Perfect Attendance
17	10	6	3

Overall results and observations

- Attendance was relatively consistent except one day because of scheduling
- There were a lot of questions in the first lesson, as the weeks progressed there were still questions but were more in depth
- In Kahoot, our first and second place winners had attended all 4 of our lessons, and our third place winner had attended 2 of our lessons
 - Shows that the information we taught was retained

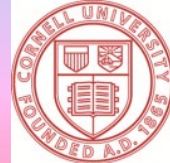


Questions?

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