

Waste Disposal and Recycling Unit
Culminating Technology Activity

Landfill Bound?
Directions

LANDFILL BOUND?

MATERIALS:

- 1 other student
- 5 pieces of trash (1 piece at a time)
- 1 netbook/laptop computer
- 5 profile sheets (1 for each piece of trash)

OBJECTIVES:

1. To identify materials in Municipal Solid Waste (MSW) also known as garbage or trash that should be recycled or reused.
2. To gather facts about how materials are recycled what they are recycled into, and the benefits of recycling them.

DIRECTIONS:

1. Each group will submit one set of completed profile sheets
2. Select 5 random pieces of MSW from the bag of household garbage provided. (Don't worry this trash is clean and contains no actual food or human wastes)
3. Find the number on each piece of MSW and record it on the profile sheet
4. Working as a group use the netbooks/laptops to fully complete a profile sheet for each of your selected pieces of MSW
 - A. Mr. Cressler has collected some links to help you complete this project; they can be found at www.delicious.com/mrcressler. You should look through these links and websites first.
 - B. You may also use Google, Bing, Yahoo or any other search engines to gather addition information. **YOU MAY ONLY DO THIS AS A LAST RESORT AND YOU MUST FIND 2 SOURCES FOR EACH ANSWER!**
 - C. If you use sites that are not in Mr. Cressler's bookmarks please record their addresses on the profile sheet. *They might get added to the Mr. Cressler's online bookmarks.*



Waste Disposal and Recycling Unit
Culminating Technology Activity

Landfill Bound?
Materials Profile Sheet

LANDFILL BOUND?

NAMES:

DATE:



MUNICIPAL SOLID WASTE PROFILE

ITEM NUMBER:

WHAT IS YOUR ITEM MADE OF?

ITEM DESCRIPTION: Please describe (**using at least one complete sentence**) and sketch label this piece of trash in detail. Include as many observations as possible. Examples: color, size, material, weight, markings on or in the material, labels, texture.

RECYCLING FACTS FOR THIS ITEM (You need to use the websites to find 5 recycling facts for this item, write the facts as part of at least one **complete sentence**)

1. (This fact should be about how much of this item/material is recycled each year)
2. (This fact should explain one of the benefits of recycling this item/material)
3. (This fact should explain how long it takes this item/material to breakdown or decompose in the environment)
4. (This fact can be anything related to this material/item and its recycling or use)
5. (This fact can be anything related to this material/item and its recycling or use)

WHAT CAN YOUR ITEM BE RECYCLED INTO (3): For example, Nike grinds old shoes to make running track surfaces. (Your answers should be in the form of at least **one complete sentence**)

1.

2.

3.

4. (Bonus)

5. (Bonus)

WHERE CAN THIS ITEM BE RECYCLED: Many items must be taken to special locations or businesses to be recycled. (Your answer should be in the form of at least **one complete sentence**)

LIST ANY AND ALL ADDITIONAL WEBSITES YOU USED HERE:

1.

2.

3.

4.

5.

6.



Waste Disposal and Recycling Unit
Technology Extension Activity

Landfill Bound?
Poster Directions

LANDFILL BOUND?

POSTER PROJECT!

MATERIALS:

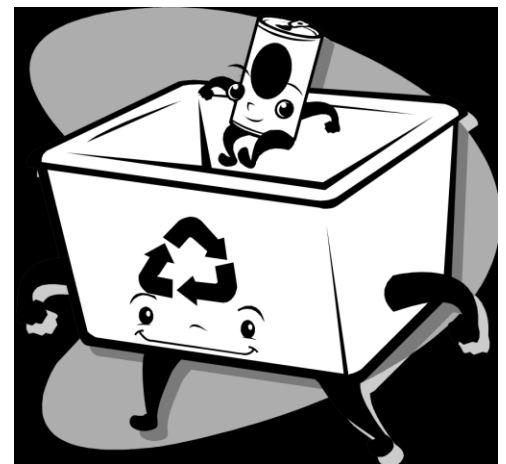
- One Completed and Graded Profile Sheet
- One Netbook/Laptop
- One Partner

OBJECTIVES:

3. Create an effective and pleasing educational poster about one type of MSW

DIRECTIONS:

5. Pick your favorite piece of Municipal Solid Waste (MSW)
6. You and your partner will use Microsoft Word to create an informational poster about the benefits of recycling your chosen piece of MSW
7. Your poster must include the following (see the rubric for points information)
 - A. Your names (first and last)
 - B. A slogan or Title, most posters have a large title or slogan that describes or hints at the information on the poster
 - C. Facts, you need to include all the information from your profile sheet (Avoid lists, bulleted, numbered or otherwise a creative poster is not just a list.)
 - i. 5 facts about the recycling of your type of MSW
 - ii. 3 things your MSW can be recycled into
 - iii. Where can it be recycled
 - D. Images, to create an eye catching you poster you need to include images and use a variety of fonts and/or WordArt
8. You can search the Internet for images or you can use Microsoft's clip art
9. Feel free to briefly examine the various posters around Mr. Cressler's room
10. Save the poster to the laptop while you are working on it
11. Save your final project to the USB drive so Mr. Cressler can print it.



Waste Disposal and Recycling Unit
Technology Extension Activity

Landfill Bound?
Poster Assessment Rubric

Landfill Bound Poster Rubric

Names (First and Last)	No name. No points				
Neatness	0 pts Sloppy work, lack of care takes away from the overall project	3 pts Legible: slogan and facts are readable if not neat		5 pts "Awesome": all aspects of the project are neat defined and easy to read/identify	
Slogan/Theme /Title Something that includes your MSW and recycling	0 pts No Slogan	1 pts 1 word slogan	2pts Nonsensical slogan	3 pts Slogan makes sense but is unoriginal or misspelled	4pts Original slogan, spelled correctly, makes sense
Factual Content Student can earn up to an additional 10 points with 5 extra facts	2 pts 1 appropriate and related fact	4 pts 2 appropriate and related facts	6 pts 3 appropriate and related facts	8 pts 4 appropriate and related facts	10 pts 5 appropriate and related facts
This item can be recycled into	0 pts No items listed	1 pts 1 item listed	2 pts 2 items listed	3 pts 3 or more items listed	
Eye Catching Does the project draw attention to itself?	0 pts Yawn... Zzzzzz...No Images	2 pts Hmmm? Few or unrelated images	4 pts Okay, something you'd look at on purpose. Related Images.	6 pts Very nice something you'd want to hang on your wall. Excellent Images	8 pts "Ouch my eyes" So, bright and amazing you'll stare until it hurts.

Total _____ / 30

Comments: