

Grade 3

Topic Recycling

Title What is Garbage?

Standards:

- 3.1.2 Participate in different types of guided scientific investigations, such as observing objects and events and collecting specimens for analysis.
- 3.1.3 Keep and report records of investigations and observations using tools, such as journals, charts, graphs, and computers.
- 3.1.5 Demonstrate the ability to work cooperatively while respecting the ideas of others and communicate one’s own conclusions about findings.
- 3.1.8 Describe how recycling can help to solve the waste disposal problem.
Discuss the results of investigations and consider the explanations of others.
- 3.2.3 Keep a notebook that describes observations and is understandable weeks or months later.
- 3.2.7 Ask “How do you know?” in appropriate situations and attempt reasonable answers when others ask the same question.

Objectives:

Cognitive Domain:

Students will organize “throw-away” items into recyclable and non-recyclable items.

Affective Domain:

Students will classify items into two groups: one group will show items that can be recycled and the other those that cannot.

Psychomotor Domain:

Students will describe why some items can be recycled and why some cannot.

Materials:

A variety of disposable items including things that can be recycled and things that cannot. Include items such as wood, styro-foam, and different colored plastic bottles.

Procedures:

1. Pretest Game: Trash or Treasure
2. Divide the class into smaller groups.
3. Have the groups write down three questions on a sentence strip of what they were thinking about before they placed their item in a bin.
4. Bring the class together and decide what sentences are investigable and non-investigable.
5. Complete KWL chart with class during discussion of what was recyclable according to the games results.
6. Break class into groups to begin working on Student Science Notebooks.
7. Explain the number system on plastic bottles to the class.
8. Have students look at their items from the lessons to see that some plastic items have different

numbers.

Pre-Assessment:

Game Trash or Treasure?

Along with a post-game discussion.

Post-Assessment:

Recycling Chart

Trash or Treasure Game

The teacher will collect a variety of recyclable and non-recyclable trash (2 of each).

The students will be put into two teams (2 straight lines).

The first student in each line will pull an item out of a basket and place it into a recycle or non-recyclable bin according to their understanding of what they think can be recycled.

References:

Scott Foresman Science Grade 3 page 243

<http://www.pslc.ws/mactest/work/recycle.htm>

Talkin/ Trash with ABC's by Alum Can Council 2004

Vocabulary List for Recycling Unit

Natural Resources – important material supplied by nature

Conservation – the wise use of Natural Resources so that people do not waste them or use them up

Recycle – treat or process something so that it can be used again

Reuse – to use again

Reduce – to make smaller

Compost – decomposing organic waste used for fertilizing the soil

Environment – everything that surrounds a living thing

Landfill – structure built into or on top of the ground where trash is stored

Discarded – tossed aside after it is no longer useful

Lesson Designed By:

Kris Carpenter

Marsha Gourley

Tamara Pattillo-Terry

Artha Juntunen

Name _____

Recycling

Item	Recyclable or Non-recyclable?	Why?
1.		
2.		
3.		
4.		
5.		

Film Canister Art Project

Halloween Ghost

- 1 Film canister (clear or white)
- 1 8" circle cut from white trash bag (I used pinking shears)
- 1 24" piece of yarn or string
- 2 wiggle eyes
- glue (glue stick)

Poke hole in bottom of film canister with point of scissors. Remove lid. Feed both ends of the yarn into the bottom of the canister, pull through and tie a knot in them. Pull yarn back out so that the knot is inside the canister and there is a loop to place around your neck. Poke a hole into the center of the trash bag circle. Feed looped end of yarn through hole.

Rub a glue stick around outside of film canister. Stick trash bag onto canister.

Glue eyes on ghost.

Fill with candy and treats. Replace top.

