



BUBBLE & FIZZ

WEEK 8: RECYCLING

EVER WONDER . . . HOW YOU CAN HELP THE PLANET EVERY DAY?

What we learned this week:

- ◆ Conservation, or the careful managing of natural resources, is very important.
- ◆ Recycling is a type of conservation. Recycling means to find ways to use something to create something else useful.
- ◆ Glass, paper, plastic and aluminum are common recyclable materials.

Today's Experiments

1. Explore and sort recycling materials.
2. Make a recycling robot.

Did you know?

- ◆ So far in this session, we have learned about many interesting things found in nature, including magma, geysers, water and ocean life. Humans have found ways to use many of these things – called “natural resources” -- in their daily lives. For example, we use the same heat that comes up from geothermal vents on the ocean floor to create energy. And we use coal (a sedimentary rock which we will learn about next week) and oil to create the energy we need to heat our houses, drive our cars, etc.
- ◆ Unfortunately, many of these resources are not renewable. That means once we use them up, it will be a very long time before we have more – if ever. In order to make sure we leave enough resources for people to use in the future, we need to use the resources we have now carefully. This is called “conservation.” We can conserve natural resources in many ways, but one important way is by recycling.



- ◆ Recycling means that we find ways to use something to make something else. For example, the plastic in a plastic bottle (which is made from petroleum) can be recycled to make other plastic items. When we use the same plastic over and over instead of making more, we use less petroleum – saving more for later. Paper can also be recycled into other paper products. This saves both water and trees. If we can recycle

the things we use, then we don't need to go into nature and use more natural resources. Instead, we can use what we already have, over and over again!

- ◆ If you want to start recycling, there are many different things that we can recycle in our area: plastic and glass bottles, aluminum cans, paper, cardboard, magazines -- even computers and stereos. You can recycle these things by gathering them and putting them into the appropriate recycling bins. You can also recycle things by turning them into something else useful – like we did with our “garbage” today!



Amazing Scientists



Recyclers. There is no one “inventor” of recycling—rather, many different scientists have been crucial to the development of recycling. Due to their efforts, we can recycle almost anything today. For example, we can use old tires to create rubber tracks for running, turn old plastic bottles into park benches, and even make old paint into plastic!

Curiosity @ Home

What waste materials can you recycle around your house? Look for the recycling symbol on the bottom of plastic and glass bottles to see what can be recycled in your area. Most cardboard, paper, glass, plastic and aluminum can be recycled. Make sure to keep feeding your recycling robot to do your share of protecting the environment!

Word Search

Find the following words from class today

(look up, down, backwards, forwards & diagonally):

Conservation

Recycling

Renewable

Nonrenewable

Plastic

Glass

Aluminum

Paper

Reuse

Natural Resources

