

Craft Organizer 6-8

By: Shirley Rose

Lesson

Recycling is the process of collecting used materials, considered 'waste' & reprocessing them into 'raw material' used for the production of new products. Some of the most common items that are recycled are plastic, paper, glass, steel, & aluminum. The recycling process involves three stages. In the first stage, old products are collected, sorted, & cleaned, making it ready for recycling or to manufacture new products. The second stage involves the manufacturing of new products from the raw material. Such as carpet, paper & aluminum foil. The process ends with the purchasing of recycled goods by the consumers. When new products are manufactured from recycled products, it saves a lot of energy which is consumed for production from raw material such as trees and fossil fuels. Recycling helps in preventing global climate change by minimizing the energy spent on industrial production, it also helps in reducing greenhouse gas emissions. Some of the major fossil fuels used in most industries include coal, diesel, & gasoline. All these emit harmful gases such as methane, sulfur dioxide, carbon-dioxide to the environment. The processing of fresh raw materials also creates toxic materials which pollute the environment. By reducing the energy used, it also minimizes the amount of fuel usage which reduces the amount of pollutants in the environment. Recycling helps save our natural resources. For example, when an old newspaper is recycled, we do not need to use a living tree to produce new paper products. Most landfills are filled with waste products that could have been recycled, some waste is non-biodegradable & can take hundreds of years to decompose. At the rate that our landfills are being filled, we may run short of landfills, unless we start recycling at our own home & spread the word to others.



Every person creates around 4.7 pounds of waste every day. An amazing fact about glass is that it never wears out & can be recycled forever. Glass can take 1 million years to decompose in a landfill site. It can take 50 years for a can made of steel to decompose & 200 years for a soda can made of aluminum to break down in a landfill. Recycled paper produces less air pollution than if it was made from raw materials. 50% of all plastic we use, are used just once & thrown away.

Questions for students

What are some of the most common items that are recycled?
How does recycling help in preventing global climate change?
Name 3 things that are made from recycled plastic.
What types of fossil fuels are used in industrial production?
How does recycling help preserve our natural resources?

**Please use the Other Resources Page
before you start the art project**



**RESOURCE
DEPOT**

turning waste into wonder

Other Learning Resources

Books to Read

Junkyard Planet: Travels in the Billion-Dollar Trash Trade
by Adam Minter

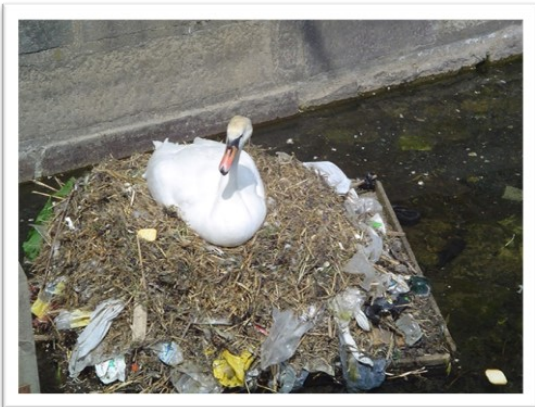
The Treasure of Trash: A Recycling Story
by Linda Mandal



Videos About Waste in the Environment

https://www.youtube.com/watch?v=ju_2NuK5O-E

<https://www.youtube.com/watch?v=HQTUWK7CM-Y>



Materials

- Paper Boxes, candy tin, Steel cans, small Plastic containers
- Scissors, Paint, Paint brush, Glue stick, Hot Glue
- Styrofoam, Colored Paper, Fabric, Elastics, corks, photographs, Washi tape, stickers.
- Collect things that fit your desired color pallet & design.



Instructions



1. Collect all your materials
2. Choose a large, medium & small box. Paint all the boxes & let dry.
3. To create the back board, cut the Styrofoam to the width of your large box & the height you desire. Our sample is 11" high. Paint front & sides & let dry.
4. . Now paint the back of the Styrofoam, once dry, you can decorate it with paint splashes, stencils or permanent markers. Decorate the top with bottle caps or plastic toys.
5. Add plastic lids, foam core or cardboard cut to size to make shelves & adhere with hot glue to the Styrofoam back.
6. Hot glue the back board inside of the large box.
7. Place the medium box in the large box & the small in the medium.
8. Fill in the empty space with tins, small boxes, cardboard dividers, tubes, corks, or cut small strips of Styrofoam.
9. Add a message center by tying elastics to the bottom of push pins & sticking them into the back board. Coil wire & hot gluing inside a painted close pin also make a cool photo holder. Hot Glue it in a back corner of you box.
10. Hot glue containers & cut bottles to the side for extra storage. Make it you own, personalize it with things you like --you can even add your name!
11. Upcycle & Organize!

