

Activity Number- 16

Paper Recycling

Class :VI

Subject: Science

Duration – 2 days

Nature of activity : Individual

Learning Outcome : Students will be

-create and design their own recycled paper.

-interpret that wastes are materials or substances that are no longer needed , have become useless , are meant to be thrown away. However by recycling waste paper and reusing plastic we can save many trees and our environment.

What I have to do ?To make your own recycled paper.

What I require ? An old newspaper, gum , water and a wire mesh fixed to a screen.

What do I already know ?It is important to reduce the generation of waste. This can be achieved by practising the three R's-Reduce , Reuse and Recycle.

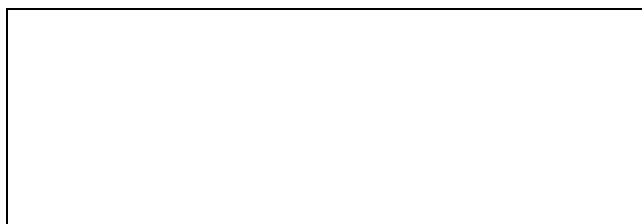
Teacher's Activity: Teacher will guide students to make their own recycled paper.

How will I proceed ?

Student's Activity: Students will

- (1) take two or three pages of an old newspaper. Tear them into small pieces and put the pieces in a tub of water. Let the pieces of paper remain submerged in water for a day. Make a thick paste of paper by churning the mixture to make pulp. Add a few drops of gum to this paste and mix it well.
- (2) take a fine wire mesh fixed to a screen frame. Pour the pulp onto the wire mesh screen and spread it evenly. Add some food colour , small pieces of flower petal or leaves to make a fancy paper.
- (3) lift the screen and let the water drain.
- (4) place the screen with the pulp in the middle of a newspaper and put it in the sun. Close the newspaper now, place a wooden plank on top of the newspaper, and press to squeeze excess water.
- (5) open the newspaper. Let the paper dry on the newspaper for a day. Keep the corners of the newspaper pressed by some weight so that they do not curl up. The heat of the sun will remove all the water left in the layer of paper pulp and make it completely dry.
- (6) The dried and thin layer of paper pulp is recycled paper.

What have I observed :Sample of recycled paper to be pasted.



What have I learnt ?

1. Making useful things from waste materials is called _____ (recycling / reusing).

What I would be interested / curious about ?: Can we make designs in these recycled papers?

Extended learning worksheet

1. Answer the following questions:

a) What is a waste ?

b) Why should we dispose of garbage in different dustbins ?

c) As an individual, how can you reduce generation of garbage? Give three ways.

d) Why is reduction of waste important ?

e) Can you suggest various ways of garbage disposal ?
