

Recycling Paper - Paper-making

Teacher: Eileen Lew

Title of Lesson Plan: Recycling Paper

Grade: 2

Subject Area: Science

Standards: Rl.1, SL.1, SL.2, SL.3

Learning Objectives: The students will be able to...

1. Students will learn about recycling paper

2. Students will learn how handmade paper is made by recycling used paper

Materials: scrap paper (white), blender, water, framed screen, couch sheets, sponge, large plastic tub, cloth screen, plastic needlepoint canvas, small plastic containers

Vocabulary words: pulp

Procedure:

1. Gather the students on the rug. Have them sit on the perimeter.

Ask...What does recycling mean?

- a. Why is it important to recycle?
- b. Who has made paper before?

Write responses onto chart tablet.

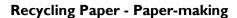
- 2. Show and pass around a sample of handmade paper and a sheet of regular paper. Turn to a partner and discuss what you have noticed about the difference between the handmade paper and the regular paper.
- 3. Compare and contrast- Handmade paper vs. regular paper Write responses onto a Venn Diagram

Modeling and practice-

- I. Fill half of the larger plastic tub with water
- 2. Working with a partner, shred paper and put it into the blender. Add water and blend.
- 3. Pour pulp into a smaller plastic container
- 4. Put frame over the plastic tub and pour the pulp onto the frame
- 5. Put the frame over the water and shake frame gently to even out the pulp
- 6. Put the cloth screen over the pulp and with the sponge, press gently down on the screen
- 7. Press as much water out as possible
- 8. Remove the screen and put the couch sheet over the paper and flip over the frame
- 9. Tap both frame and couch sheet on the table and remove paper gently onto the couch sheet
- 10. Put the plastic canvas onto the couch sheet and flip it over. Remove couch sheet
- 11. Put the plastic canvas onto the drying shelf and let dry.

Share:

- 1. Gather the students on the rug. Have them sit on the perimeter.
- 2. Have students share what they noticed about the process of making paper.
- 3. Ask: How did the pulp feel?
 - a. What did they learn about making paper?
 - b. Do they have any questions about the activity?





Follow up:

- Make more paper using/adding other materials
- -Read aloud- Trees to Paper by Inez Snyder
- -Make cards for special occasions
- -Make a class collage with scraps (leftovers from making the cards)

Additional Resources

Books:

- <u>Trees to Paper</u> By Inez Snyder (used for read aloud)
- Papermaking with Garden Plants and Common Weeds By Helen Hiebert
- The Papermaker's Companion: The Ultimate Guide to Making and Using Handmade Paper By Helen Hiebert
- Papermaking Techniques Book: Over 50 Techniques for Making and Embellishing handmade
 Paper
 By Helen Hiebert
- The Art of Papermaking By Bernard Toalie
- On Paper: The Everything of the Two-Thousand Year History By Nicholas A. Basbanes
- Papermaking: The History and Technique of an Ancient Craft By Dard Hunter

Internet:

- www.papermakingresources.com
- arnaldgrummer.com
- handpapermakingcommunity.wordpress.com
- paperslurry.com
- paperonweb.com/pmake.htm