

PAPER MAKING

LESSON PLAN



WOLF RIDGESM
ENVIRONMENTAL LEARNING CENTER

PAPER MAKING



CLASS DESCRIPTION: A Creative Expressions Class

Students will learn about the history of paper making and discover the ecological and economic benefits of using recycled paper. Students will go through the process of making four sheets of recycled paper. Artistic creativity is encouraged. After drying overnight the paper will be ready for use the next day.

Total time: 1.5 hours

Audience: 4-20 students, 4th grade through adult

Activity: easy

Travel: none

Total uphill travel: none

PURPOSE

To examine human resource use and impact through the art of paper making.

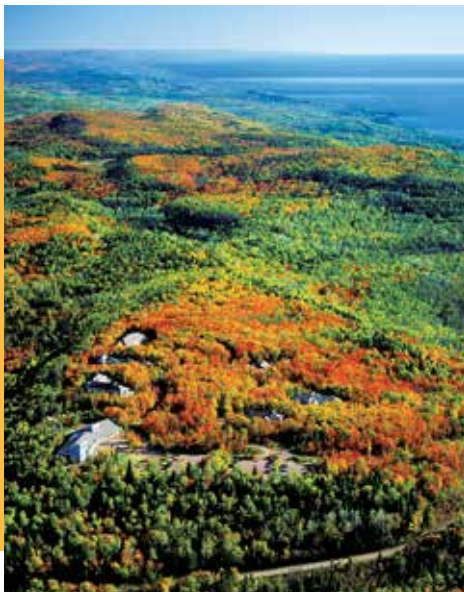
CONCEPTS

1. Humans have a great ability to alter natural systems, and a responsibility to consider the effects of our actions.
2. Awareness, knowledge and appreciation lead to understanding of our impact.
3. Waste and pollution are by-products of human society.
4. Economic and political considerations have an influence on human actions.
5. Using renewable resources is more sustainable than using non-renewable resources.

OUTCOMES

Upon completion of Paper Making students will be able to:

- List materials that can make paper.
- Define renewable and non-renewable resources.
- Describe two ways that our use of paper affects the environment.
- Show how consumer demand influences the paper industry.
- Make recycled paper using a simple process.



Our mission is to develop a citizenry that has the knowledge, skills, motivation and commitment to act together for a quality environment.

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Wolf Ridge Environmental Learning Center and the USDA are equal opportunity providers and employers.



Equipment

- 2 blender motor bases
- fiber bin
- scrap paper bin
- 20 paper sorting trays
- 9 deckles
- 9 deckle tubs
- 9 rollers
- 9 felt couches
- paper sample book
- "one pound" ream of paper prop
- paper dryer
- water, sink, tables

Appendices

- Glossary
- References
- Sources

Set-up (15 min.)

- Classroom/class prep description
- Safety Management

I. Introduction (10 min.)

- A. Greeting
- B. Class Overview
- C. Assess Learner Level

II. History of Paper (15 min.)

III. Paper as a Resource (15 min.)

IV. Making Paper (45 min.)

V. Conclusion (5 min.)

- A. Review
- B. Stewardship Actions

Clean-up (5 min.)