How Can You Make Recycled Paper?

Look at the couch! What a mess! Old newspapers and magazines cover it. Where are you going to sit? What are you going to do with all of the papers? You could recycle the papers. You could make new paper out of old paper!

Find a Problem

☑ 1. What problem do you need to solve?

---

Copyright © Pearson Education, Inc., or its affiliates. All Rights Reserved.
2. Look at the paper samples. How are they alike?

3. How are they different?

4. Can you tell which are recycled? How?
Plan and Draw

☐ 5. Read the directions below. Circle what will you do to recycle paper.

• Cut paper into (little / big) pieces.
• Put pieces in a bowl. Add water. Let soak for 1 hour.
• Mix paper and water into mush.
• Add (one / two) spoonfuls of starch and stir.
• Put the screen on newspaper.
• (Pile / Spread) the mush on the screen. Cover with plastic wrap. Roll dowel over the wrap.
• Remove the wrap.
• Let the mush dry for (two / three) days. Peel your paper off the screen.
• Draw on your recycled paper.
6. Look at your plan. What can make it hard to recycle paper?

7. Describe how your want your paper to feel. Will it be easy to write on?
Choose Materials

8. Think about how to make recycled paper. Circle the materials you will use.

Possible Materials
9. What could make your design difficult?

10. Pick one material you will not use. Write why you will not use that material.
Make and Test

11. Make your recycled paper. Write the name of your favorite book below.

12. Glue or tape a piece of your recycled paper below. Then write the name of your favorite book on the recycled paper.
13. How are the two papers alike?

14. How are the papers different?
Record and Share

15. Make a rubbing of your recycled paper below.

16. Use a hand lens. Look at your recycled paper. Describe what you see.
Compare your paper with paper from another team.

☐ 17. How are the papers alike?

☐ 18. How are the papers different?

☐ 19. How will you change your plan?