

# Making Recycled Paper

## Instructions for teacher preparation

- ❖ Additional help may be needed in this session (teacher assistance/aids/volunteers).
  - ❖ **Bring in all of the old newspapers you can find! TEACHER HELP!**
  - ❖ Each student needs TWO sheets of scrap white paper (old homework?). **TEACHER HELP!**
  - ❖ **Before the program starts, place the students in groups of 4 or 5. TEACHER HELP**
  - ❖ Each group needs to select ONE color. (Blue, green, pink, yellow, mixture, orange, red, purple) – It depends on the scrap color pieces. I usually have a little of the above).
  - ❖ I will bring blender(s), rollers, screens, colored paper and any newspapers I can find
- ❖ An adult should be in charge of operating the blender.

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**This is a super fun - but messy project. Lots of newspaper is required.**

### **Class begins!**

- 1: Each student should cover their desk with newspaper – to protect anything taped on desk
- 2: Each student will hand rip (the size of a nickel, or one inch x one inch) TWO sheets of scrap white paper (old homework assignments?). It's a good idea to group the students in tables of colors (25 students, 5 tables of 5 students, one color each table. The students tear up their newspaper and colored paper in 1/2" x 1/2" bits and place them in a bowl/tray/tub.
- 3: Each student should also get three to four "sections" of newspaper. These sections are used as blotters, to soak up excess water - at LEAST two are needed, but four is best.
- 4: Each student will also get a screen and each group, a rolling pin. **One extra screen per table to use as a press.**
- 5: The first table that is done shredding can be the example batch.

### **~MAKING RECYCLED PAPER~**

- Add paper to blender,  $\frac{3}{4}$  full **lightly** pressed down
- Add warm/hot water, 1" from the top of the blender
- Blend until a pulp forms (just a couple minutes)
- Dump pulp in tray
- Take the screen and "dive" into the pulp – lay on the bottom of the tub and then lift straight up
- The screen should have a coating of pulp on it
- Press water out by placing the extra screen over the top and squeezing – or use the free hand to press out the water – use the palm instead of fingers.
- Place pulp in between the blotting paper, or sections of newspaper
- Press with hands
- Take out and place in between another section of newspaper
- Press with a rolling device to get rid of excess water
- Repeat those steps until paper is firm and slightly moist
- Carefully peel off screen and place the damp paper on another dry piece of paper to dry
- Be sure to write your name on the dry piece of paper
- Recycle all damp newspaper

**ENJOY!**