

# Recycled Paper

## STEAM Activity



### Directions:

1. Assemble your wooden frame using eight craft sticks. Glue the eight craft sticks together using the hot glue gun to make a large square frame. Set the frame aside and allow it to dry completely before using.
2. Tear the egg carton into tiny pieces. It should yield 2-3 cups of torn cardboard pieces.
3. Place the torn cardboard pieces into the blender.
4. Boil two cups of water.
5. While the water is boiling, cut the mesh fabric in half. Next, glue half of the mesh fabric to the wooden frame and cut off any excess fabric.
6. Carefully pour the boiling water into the blender with the cardboard pieces.
7. Put the lid on the blender and blend the cardboard pieces and water together until a soup-like consistency is reached.
8. Place the wooden frame over a deep, square baking dish.
9. Next, slowly pour the pulp mixture from the blender onto the frame.
10. Place the second piece of mesh material over the pulp mixture and gently use a rolling pin to evenly spread the mixture across the wooden frame.
11. Allow all the water to drip from the paper and into the baking dish.
12. Dry the paper on the frame for 24 hours and then gently peel the mesh fabric away from both sides to reveal your recycled paper.

### You will need:

- $\frac{1}{2}$  yard of mesh fabric, cut into two equal sized pieces
- 8 wooden craft sticks
- Hot glue gun and glue sticks
- Scissors
- 1 cardboard egg carton
- Rolling pin
- Blender
- Measuring cups
- Large, square baking dish