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2. A POP-UP CORAL REEF

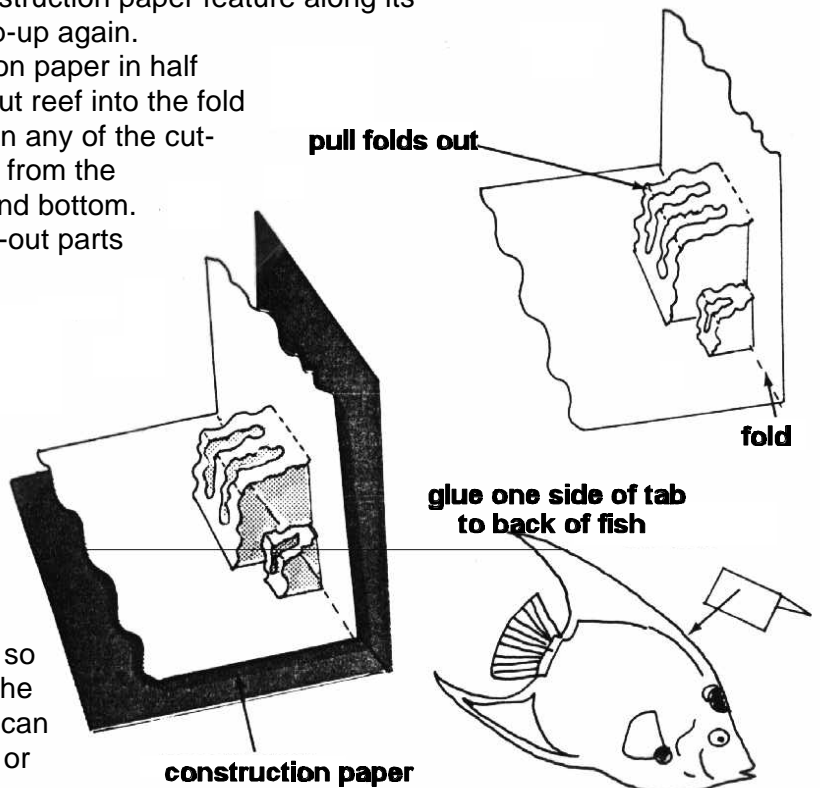
Make a 3-D coral reef.

Ages: Intermediate and Advanced

Materials: copies of the following page (reef scene), construction paper, scissors, blunt pens or ball-point pens, glue, crayons, markers, or colored pencils, rulers.

This pop-up reef is easy and fun to make. Here's how to do it:

1. Spread a thin film of glue over the back of the page with the reef scene, and glue it to a sheet of construction paper. (Be sure to cover the *entire sheet* with glue.) Trim away the excess construction paper.
2. Remove the drawings of the reef animals at both ends of the sheet by cutting along the wavy lines. Set these drawings aside to use later.
3. Score all the dashed lines with a blunt pencil or ball-point pen. Press firmly, but be careful not to tear the paper. (You might want to use a ruler to help you keep your lines straight.)
4. With the printed side facing out, fold the page in half along the dashed line. Crease well with the edge of a pencil or ruler.
5. Cut through both layers of the paper along all the *solid* lines. (You will cut some pieces out completely. But be sure that you don't cut along any dashed lines.)
6. Open the page carefully. Gently pull the cut-out features outward, in the opposite direction that they were originally folded in. Crease each construction paper feature along its folded edges. Then carefully close the pop-up again.
7. Fold a different-colored piece of construction paper in half width-wise. Then glue the fold of the cut-out reef into the fold of the construction paper. Don't put glue on any of the cut-out parts. Trim excess construction paper from the sides only, leaving extra paper at the top and bottom. Close the pop-up, making sure that the cut-out parts are folded out the right way, and put under a heavy book to dry.
8. Color the reef animals you set aside earlier and cut them out.
9. Glue the animals onto your pop-up reef. You can glue some of them to the pop-up part and some to the flat background. To make the reef animals stand out from the background, make a tab by folding a small piece of construction paper in half. The folded tab should be smaller than the animal you are gluing it to so it won't show. Glue one side of the tab to the animal and the other side to the reef. You can add pop-up rocks, different types of coral, or other features to your reef.



Correlation to National Standards from McREL (<http://www.mcrel.org>) :

Life Sciences

6. Understands relationships among organisms and their physical environment

