IDEAS PAGE. Adapt for your classroom.

**Exploring Symmetry, Reflection, and Rotation.**

Give cut-outs of letters and shapes. Have the students trace the shape. Then fold to find lines of symmetry. Draw the lines of symmetry on the traced shape.

Trace cut-outs. Determine angles of rotation by twisting shape to different locations. Use protractors to measure angles.

Trace cut out on one side of a line. Using pencil, make a dark outline of the shape. Put lots of graphite on the paper. Fold along the line of reflection. Rub with the edge of a plastic ruler. Some of the graphite should rub off, allowing you to see the reflected shape.

Use mirrors to observe what the shape would look like of you reflected on side to mirror the other side.

Consider a capital K. If the mirror is help vertically, the image will look very different from when the mirror is held horizontally.