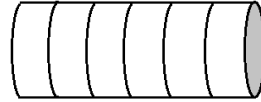


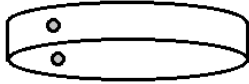
Snowflakes with Cardboard Toilet Paper Rolls

To make a snowflake, each student needs 1 toilet paper roll, 1 white pipe cleaner, and 6 or 12 beads (preferably white or clear). You also need a hole puncher that makes small $\frac{1}{8}$ " holes. (With a standard $\frac{1}{4}$ " hole, there will not be enough tension around the pipe cleaner.)



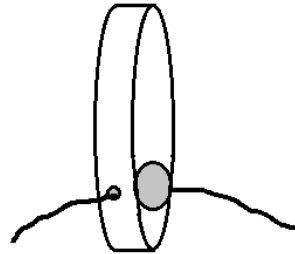
Step 1: Flatten the toilet paper roll and cut six sections.

Step 2: Punch a hole about $\frac{1}{2}$ " from the bottom.



(This is hard to do – have an adult use the hole puncher.)

Step 3: String loops and beads. (Three basic strategies are pictured at the bottom of the page.)



Idea a- Use 6 beads, placing one INSIDE each loop.

Idea b- Use 12 beads, with one INSIDE each loop and one BETWEEN each loop.

Idea c- (Optional) Push in the points to make the loops into "heart-shapes."

Step 4: Bring the two ends of the pipe cleaner together and make the snowflake taut, then twist the two ends together to form an ornament "hanger."

