Making an Archimedes Screw
by Evenspor

A plastic bottle
A dowel (we used a pencil)
Cardstock
A tack
Scissors
Tape or Glue

1. Cut off the bottom of the bottle, and cut a triangular hole in the top, like in the picture.
2. Cut six cardstock circles, just big enough to fit inside the bottle.
3. Cut a hole big enough for the dowel to fit through in the center of each circle. Cut a slit from the edge to the hole.
4. Glue (actually, I used tape, and that worked well) the circles together to form a spiral/screw. To do this, you need to attach one side of the cut of each circle to the opposite side on the next circle.
5. Push the dowel through the holes, and stretch out the spiral along its length. I found it was easiest to "stretch" it by running my finger in between all of the circles. Glue (tape) the ends of the spiral to the dowel.
6. Slide the screw into the bottle, and tack it to the lid. You should now be able to move popcorn, cereal, etc. from one bowl to a bowl at a higher level by turning the dowel. (The bottle shouldn't turn - just the screw inside.)

It's fun watching the screw scoop up cereal through the hole in the bottle.

Reflection:
On a piece of paper, How does your screw make work easier? Think of a real life situation where screws are used. Explain how it makes work easier. (at least one paragraph) Turn into Ms. Molina when you are finished.