

## Challenge # 3: Pinwheel Design

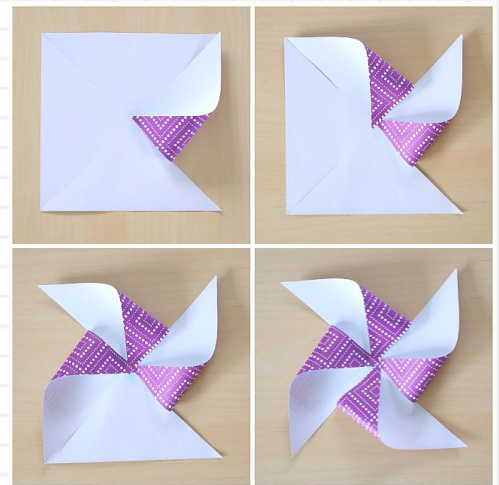
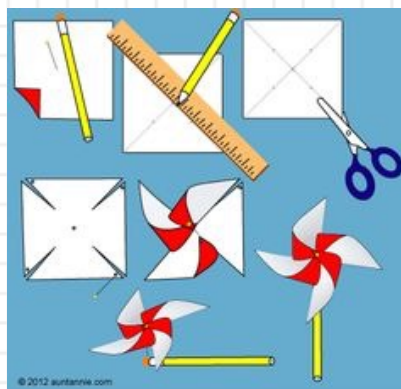


A pinwheel is a wind-driven contraption that spins on a central axle. A **wheel and axle** is an example of a simple machine.

**Challenge:** Design and build a pinwheel that spins when put in front of a fan.

### Materials:

- Paper
- Newspaper
- Cardboard
- Popsicle sticks
- Glue
- Tape
- Straws
- Beads
- Pins
- Dowels
- Cups
- Sticks



**Question:** What was the most challenging part about getting your pinwheel to speed smoothly?