

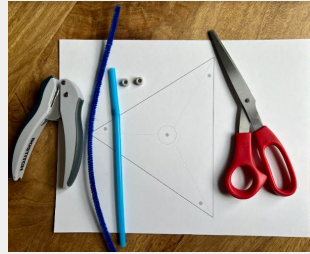
Gust: Pinwheel Activity

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Make your own pinwheel wind turbine following the directions & using the template below!

Materials:

- Straw
- 2 pony beads
- Pipe cleaner
- Hole punch
- Scissors
- Glue (*for best results*)
- Pinwheel turbine template (*included, ideally printed on cardstock*)
- Markers, crayons, or colored pencils (*optional*)



1. Print the turbine template onto cardstock. Cut along the triangle outline. Color/decorate your cardstock turbine template as desired (note: only one side will be visible).
2. Starting at each corner, cut along the dotted lines up until the middle circle.
3. Hole punch at each of the four dots (at the 3 corners & 1 in the middle - you may need to fold for the middle).
4. One at a time, bend each of the outer corners towards the inside circle. Line up the corner hole to the hole in the middle so the holes are stacked on top of each other. Put a dot of glue at the edge and pinch to hold. (Repeat for all three corners.)
5. Once dry, feed the pipe cleaner through the hole from the back to the front.
6. Add a bead to the front and twist the pipe cleaner into a ball in front of it to secure the bead on.
7. Add another bead from the bottom to the back of the pipe cleaner. (Tip: Leave some room - securing the beads too tight won't allow it to spin!)
8. Thread your pipe cleaner into the straw to create a more stable "pole" for your turbine.
9. Play & experiment with your wind turbine pinwheel! Blow on the front, back, top, bottom & each side: which way does the wind have to blow to move the blades? Blow softer & harder: which makes the blades move faster?

