

# Meteorology: Wind Edition

## Supplementary Materials



### Annotated Materials List

Material	Our Suggestions
Plates	We used plates that were 8.5 inches in diameter. You can use a larger or smaller sized plate, just make sure it serves as a good base for your tools. If you do not want to write directly onto the plate, you can use post-it notes for the cardinal directions. Finally, if your plate is blowing away, consider adding weight (ex., rocks) to the base to help things stay in place.
Modeling Clay	<p>While we used modeling clay, other types of clay (ex., air-dry clay) work as well.</p> <p>For your weathervane, if you want to skip the clay &amp; plate altogether, you can use an empty to-go drink with straw. You can write the cardinal directions on the plastic lid.</p>
Safety Pins	If you use a safety pic, we recommend using one that is at least 1 inch long. Alternatives to safety pics are t-pins (though t-pins' sharp ends are permanently exposed).
Pencils	We used new pencils because they had larger eraser tops and a flat bottom. If you are using a used pencil, make sure your clay ball is tall enough to grab the sides of the pencil.
Straws	We used straight plastic straws. If you do not have straws, you could use thin skewers instead. If using skewers, you will need to tape or glue the cardstock/construction paper to the ends.
Cardstock (Anemometer)	If you do not have cardstock, consider using cardboard.
Construction Paper (Barometer)	Lined paper or white printer paper would work just as well as construction paper.



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Metal or Glass Jar (Barometer)	Glass or metal jars should be used for a barometer (i.e. not plastic). A variety of sizes (diameter, height) can be used, just make sure a balloon can fit over the top. When selecting your jar, watch for sharp edges.
Small Cups (Anemometer)	We used 3 ounce cups for our activity. You can use paper or plastic cups, just make sure their size is small enough to fit at the end of your straws and not hit the base (or one another).
Rubber Band (Barometer)	Any rubber band will do as long as it fits over the top of the jar.
Balloon (Barometer)	When you cut the balloon, make sure it fits over the top of the jar.

### Extensions

If you liked these activities (and we hope you did), try one of these extensions.

1. Watch this National Geographic Kids [Video on Wacky Weather](#) (1:24min)
2. For activities and readings, check out the [National Geographic lessons](#) (grades 4-12+) on anemometers
3. Compare your collected data to what is reported for your area by the [Weather Channel](#). Is it the same? Different? Why do you think that is?
4. The Federal Aviation Administration (FAA) has [directions](#) for a different design of an anemometer. Their directions discuss the value in calibrating this tool.