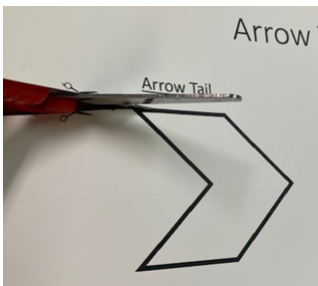
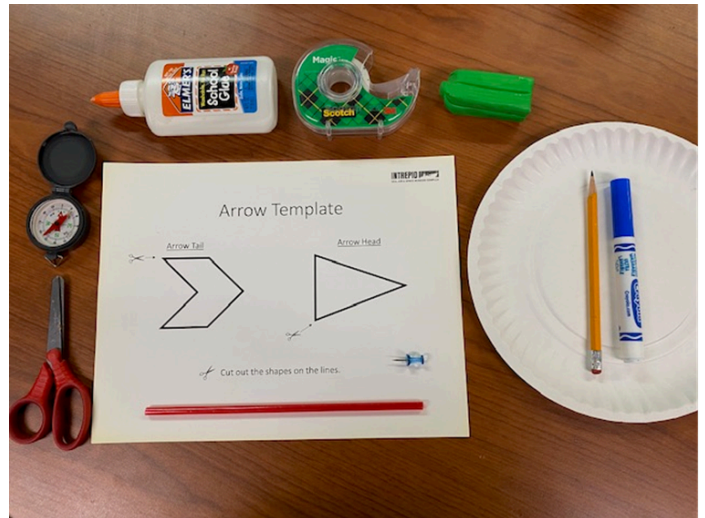


ACTIVITY: Make a Wind Vane

A wind vane can help you figure out the direction the wind is blowing. The direction of the wind can help forecast the weather.

To make a wind vane you will need:

- sturdy paper like cardstock
- [Intrepid's Arrow Template](#)
- a push pin
- scissors
- tape
- glue
- a pencil with an eraser
- a straw
- modeling clay
- a paper plate
- a compass (can be one on a smartphone or tablet)
- a marker



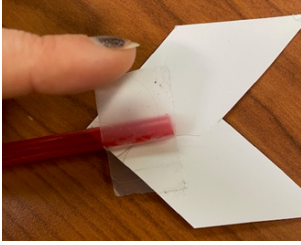
1. Print or trace [Intrepid's Arrow Template](#) onto sturdy paper. Cut out the arrow template on the lines.

* it doesn't have to be perfect!

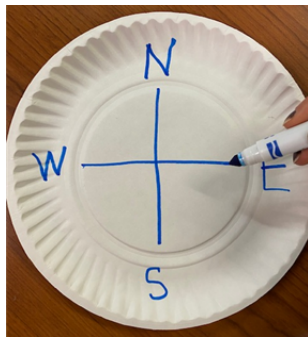


2. Tape the arrow head to one end of the straw.

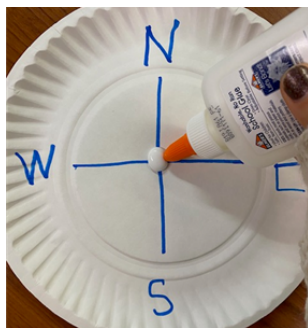
Wind Vane Activity



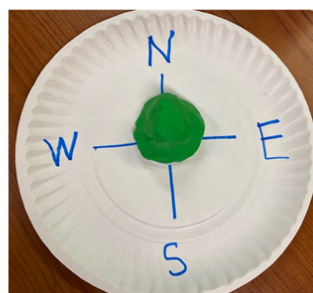
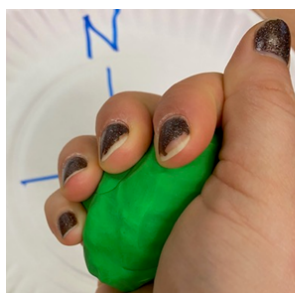
3. Tape the arrow tail to the other end of the straw.



4. Draw a compass on your paper plate.
Make sure to remember to add letters for the directions North, South, East and West.

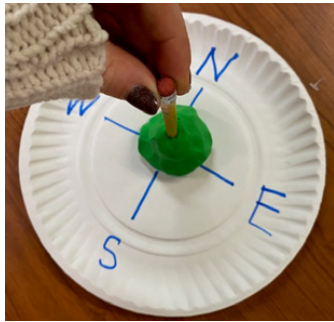


5. Put some glue in the middle of the plate, where the directions meet.

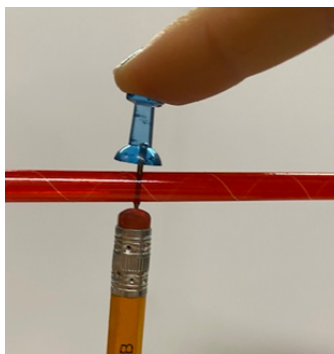


6. Mold the clay into a lump. Place it on the glue in the center of the paper plate.

Wind Vane Activity

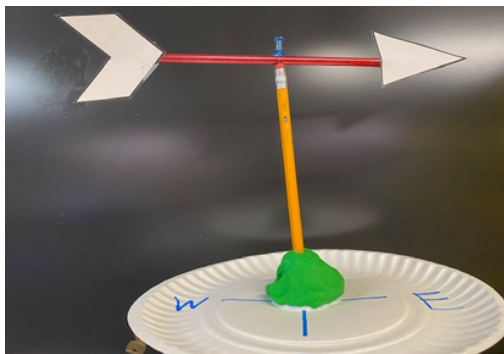


7. Push the pointy end of the pencil into the clay. Mold the clay around the pencil so that it stands straight up.



8. Push the pin through the center of the straw and into the pencil eraser.

*Ask an adult or a friend for help if this is hard



You are finished building your wind vane!

When you are ready to test your wind vane, take your project and your compass outside.

Testing Your Wind Vane



1. Use your breath to make sure your project can spin! If the arrow does not spin, loosen the pin and try again.

Wind Vane Activity



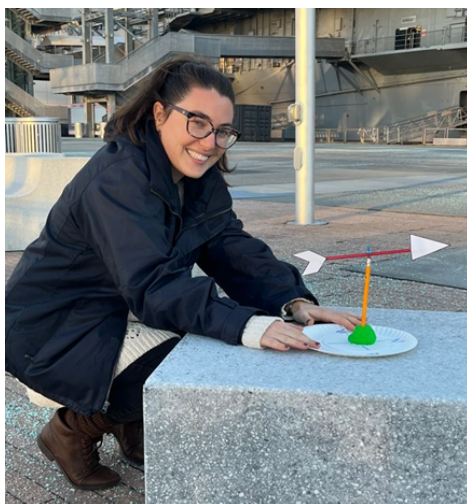
2. Find North on your compass. You can use a compass like the one in the picture or a compass on a smartphone or tablet.

To find north, put the compass on a flat surface.

One arrow of the compass always points north, the other always points south. On this compass the north arrow has white paint on it.



3. Find a flat surface. Set up your wind vane so that North on the paper plate faces the same direction as North on your compass.



4. If it is very windy, you may need to hold down the plate!

Observe the wind vane. The arrow points to the direction the wind is blowing from.

If the arrow is pointing to the North, the wind is blowing North to South!