

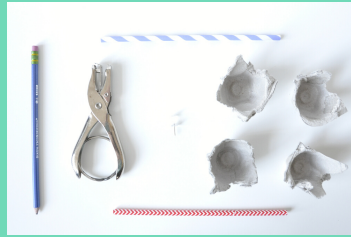


NIAGARA PENINSULA
CONSERVATION
AUTHORITY



How to make an anemometer

"an-e-mom-ee-ter"



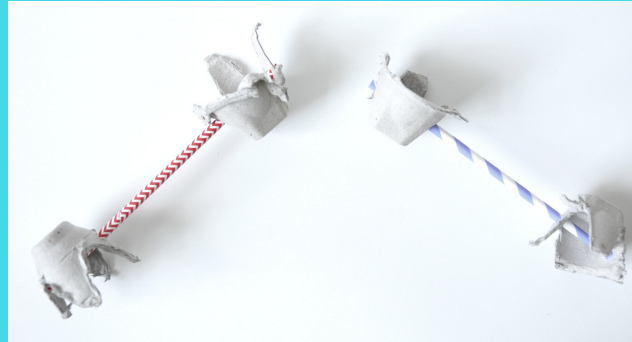
01

Gather your materials



02

punch 2 holes on opposite sides of your egg cups



03

Put straws through the holes in the egg cups



04

Cross straws in the middle and put pin through both straws and into pencil eraser

$$\text{windspeed} = \frac{\text{rotation al rate in rpm} \times \pi \times \text{diameter}}{60s}$$

*rotational rate in rpm = how many full rotations the anemometer makes per minute

05

Hold up to see where the wind is moving the fastest. For older kids, use the following formula to calculate wind speed in cm/sec