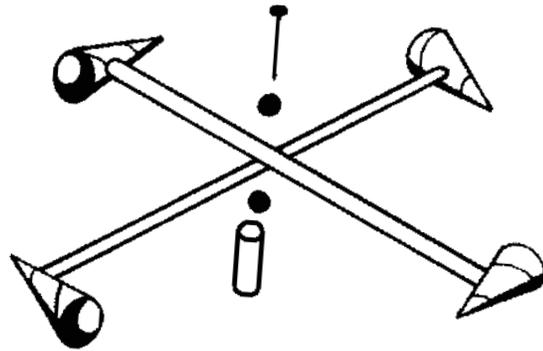


Anemometer



Picture of an anemometer

Follow the instructions below to make your own anemometer.

Here are the materials you will need:

- ✓ Thin sheets of aluminum (or cardboard)
- ✓ Dowel stock
- ✓ Two glass beads
- ✓ Two thin wooden sticks, 18" x 1/2"
- ✓ Aluminum solder
- ✓ A nail

Instructions:

1. The anemometer cups are made from the aluminum. Cut two circles about 4" in diameter.
2. Cut the circles in half along the diagonal.
3. Join the straight edges with aluminum solder, making four small cups.
4. Attach the cups to two crossed sticks, so that all are heading in the same direction.
5. Join the sticks to the dowel stock as follows: nail, glass bead, crossed sticks, glass bead, and dowel stock.
6. The glass beads will act as bearings so the wind will turn the anemometer freely.
7. Your anemometer will spin faster as the force of the wind increases.