



MISSION 2 the sky

Flight Path - Direction

Once we let go of the balloon, the helium will lift it and the wind will push it through the sky. It is important to know the speed and direction of the wind so we can predict where to find our package when it lands.



Description

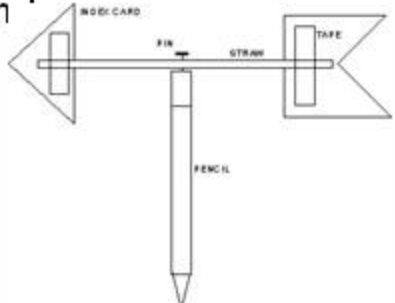
- We need to measure the wind direction and wind speed.

Task

- We will design a wind vane and perform an experiment that will let us determine which way the balloon will travel and how fast it will go.

Process

- 1) Assemble Wind Vane (see graphic)
 - Cut tip and tail from index card
 - Attach tip & tail to straw
 - Insert pin through middle of straw
 - Push pin into eraser (straw should spin)
- 2) Go outside to open area and hold wind vane steady
- 3) Identify which direction is north
- 4) The tip of the arrow will point in the direction the wind is blowing from
- 5) Determine the direction the balloon will travel



Conclusions/Results

Which direction is the wind blowing from?

Which direction is the wind blowing to?

Materials

- Wind Direction
- 1 straw
- 1 straight pin
- 1 index card
- pencil with eraser
- tape & scissors

