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Wind Vane with Metal Base #WNDVN01

Warning:

- **Not a toy; use only in a laboratory or educational setting.**
- **California Proposition 65 Warning: This product can expose you to chemicals including styrene, nickel, and lead, which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**



Introduction

Wind vanes, also known as weathervanes, are simple instruments that are used to indicate the direction that wind is coming from. They are most often placed on the highest point of a building as ornamentation, though this tabletop model can be used to teach concepts such as patterns in the wind and the weather.

How to Use

1. Find a windy, open area outside that has a flat surface for you to set your wind vane down on top of.
2. Position your wind vane so that its cardinal direction indicators align correctly with north, south, east, and west. To do so, use a compass to find north. If you do not have a compass, look at the sun to approximate your directions. To use the sun like this, remember that the sun rises in the east and sets in the west.
3. Observe how the pointer change directions with the flow of the wind. The pointer on the wind vane will point towards the direction that the wind is coming from.
4. With the wind vane in the same place for each measurement, track wind direction each day for a month and create a pie chart illustrating the wind patterns. Discuss the reasons for any patterns that you may notice.

