



Anemometer

An/ee/mom/ee/ter

Introduction

- What it is

Characteristics

- How the **anemometer** measures wind
- History of the Greek word (Greek word *anemos*, which means wind, and is used to describe any wind speed instrument used in meteorology)
- Who uses anemometers –scientists, weather people,
- What it looks like

Conclusion

- Summarise the main idea/restate what it is



An **anemometer** is a device used for measuring the speed of wind

The term is derived from the Greek word *anemos*, which means wind, and is used to describe any wind speed instrument used in meteorology.

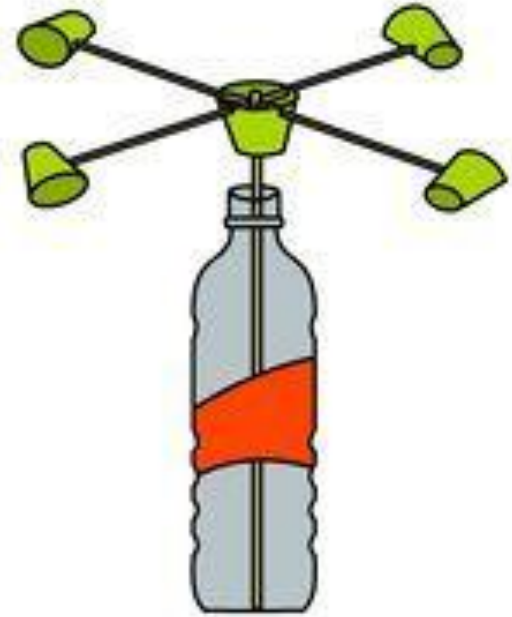
Meteorology is the study of science to do with atmosphere, especially as a means of forecasting the weather.



STEAM Challenge

Challenge: In groups, design and create a wind anemometer to measure the wind.







Must be able to...

- Spin
- Cope in wind (bottom must be heavy BUT the top needs to be light but STRONG so it can spin)
- Contain different colours to count time



Materials

Each group will have:

- 4 paper cups
- 2 cardboard strips
- pin
- Paintbrush
- paint
- Pen that is able to be taken apart
- Anything else you may need?

Materials

- (Hole through lid)
- Coloured paper
- Bottle
- Cardboard
- Modelling clay x6
- Hot glue gun
- Rocks and sticks
- Bath sponge
- paper cups x28
- Extra cup x12
- Straws x44
- Pipe cleaners x20
- Lots of flat cardboard
- Laminated paper
- Coloured laminated paper
- String
- Containers plastic
- Tape
- Foam balls (sphere) x8
- Paper plates
- Playdough x3
- Tissue box



To measure...

To measure the wind speed, set a timer for 1 minute and count how many times the cups spin around in that minute. (That's where the different coloured cup really comes in handy!)

Groups for STEAM activity:

- RED: Will and Cooper
- ORANGE: Jessica and Lina
- YELLOW: Brandon and Nero
- GREEN: Farhan and Charlotte
- BLUE: Tasharna and Ravleen
- PURPLE: Warrick and Jack
- PINK: Christine and Mia
- SILVER: Khodi and Kismat
- GOLD: Derrell and Connor
- BROWN: Anna and Astra
- GREY: Shasmin and Riley
- BLACK: Razan and Ling Liu