



Signaling



The Challenge

Signalling Using A Mirror

The Challenge to reflect sunlight on to a board with an alphabet on it, spelling out a word or message using only the sun's reflection.

1. Watch navigation and signaling video
2. Draw out the alphabet onto a large piece of paper or board.
3. Place the paper or board 5 metres away from you.
4. Try and send a word or message to someone.

The rules:

When sending the message, you cannot speak

Do not shine light or reflections into anyone's eyes, including your own.

Equipment

- ☐ A Small Mirror or a small shiny surface or object.
- ☐ A board or large piece of paper
- ☐ Pen or pencil

Progression

Try and make a high-pitched whistle from an acorn as shown on the navigation and signaling video.

Please do not try If you have a nut allergy.



Make A Compass



The Challenge

The Challenge

Find out what direction North, East, South and West are in your home or garden.

Steps to follow:

1. Watch the navigation video
2. Make a homemade compass only using things you can find around your house or garden.
3. Once you have marked out the North and South points, make a compass face including East and West.

The rule:

When using the magnet and sewing needle, please make sure you have an adult with you.

Equipment

- ☐ Cup
- ☐ Water
- ☐ Sewing Needle
- ☐ Sticks or Twigs
- ☐ Magnet
- ☐ Leaf

Progression

Find North and South using a watch.

Remember the watch needs to have a minute and hour hand.