

Make a Magnetic Compass

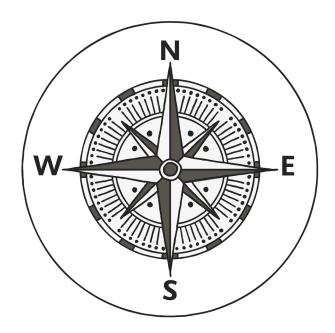
You will need:

- · A bar magnet
- A flat plastic lid
- · A plastic bowl
- Water
- Compass template (below)

What to do:

- 1. Cut out the compass template and stick it inside the plastic lid, so that it faces outwards.
- 2. Place the bar magnet inside the plastic lid on the compass template, making sure it is placed along the north-south line with the north pole of the magnet on the 'north' side of the line.
- 3. Half fill the plastic bowl with water. Float the plastic lid on the water.
- 4. The magnet will cause the plastic lid to rotate on the water until the north pole of the magnet points north.
- 5. Keep your compass away from computers and other devices that contain magnets, as it could disrupt their systems.
- 6. Test your compass by slowly turning the bowl around. The magnet should continue to point north even if the bowl moves.

Compass Template







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