

Make a Magnetic Compass

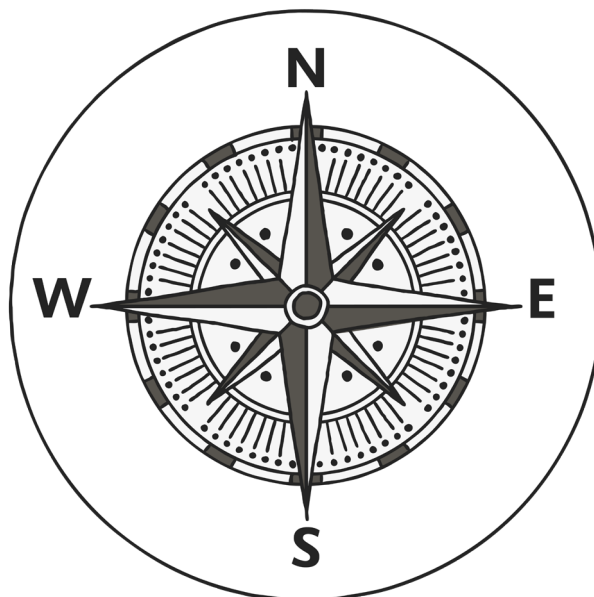
You will need:

- 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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