

# Make a solar system mobile

## You will need:

Card, ruler, compass, colouring pencils, scissors, string, paper plate and sticky tape.

1. Draw, colour in and cut out all of the planets. (They are all to scale with one another.)
  - Earth:** Circle 1.8cm diameter. Blue, white, green and brown.
  - Venus:** Circle 1.4cm diameter. Pale yellow.
  - Mercury:** Circle 0.7cm diameter. Grey.
  - Mars:** Circle 0.9cm diameter. Reddish orange.
  - Jupiter:** Circle 16.7cm diameter. Dark orange with white stripes.
  - Saturn:** Circle 14.2cm diameter, with four rings around. Pale yellow.
  - Uranus:** Circle 5.9cm diameter. Light blue.
  - Neptune:** Circle 5.7cm diameter. Blue.
2. Draw, colour in and cut out the Sun (this is not to scale as the Sun is enormous!) Sun: Circle 17cm diameter. Bright yellow and orange.
3. Cut some pieces of string to attach the planets and Sun to the paper plate.
  - The Sun needs string 10cm long.
  - Mercury, Venus, Earth and Mars need string 15cm long.
  - Jupiter, Saturn, Uranus and Neptune need string 20cm long.
4. Stick the planets so they hang from the paper plate.
  - The Sun in the middle.
  - Mercury, Venus, Earth and Mars form an inner circle around the Sun.
  - Jupiter, Saturn, Uranus and Neptune form a bigger circle around the Sun.
5. Use some more string to form a loop, which you can tape to the other side of the paper plate, so you can hang your mobile up.