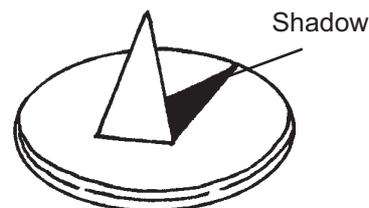


Sundial

You need: stiff card, a pencil, some Blu-tack and scissors.

Read

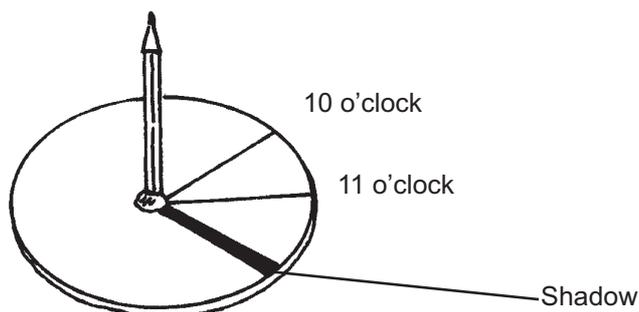
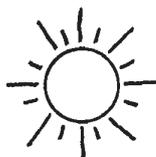
As the position of the Sun changes throughout the day, the shadows it casts change in size, shape and position. Before modern clocks, people used to tell the time by looking at the position of shadows.



Activity

Let's build a sundial.

- ◆ Cut out a circle of 20 cm diameter from the stiff card.
- ◆ Stick a pencil in the middle of the card with the Blu-tack.



- ◆ Put the sundial in a sunny place, either outside or at a window through which the Sun shines.
- ◆ Mark the position of the pencil shadow every hour. You may need to do some measuring at breaktime or lunchtime, but this will make the science more accurate.
- ◆ Use your sundial to tell the time the next day it's sunny. Ask your teacher to use your timing for the different lessons of the day.

Look further

Can you find a sundial near where you live? You could try looking in the park or on the side of a church tower.