



Science - Week 5



Make your own sundial

Resources needed:

- Pencil or a stick.
- Plasticine/Blu Tack/Play Doh
- Stones

Instructions.

- 1) Place a pencil in a ball of plasticine on the ground in a sunny space in your garden.
- 2) Every hour, go out and mark the hour with a stone.
- 3) The next day test out your sundial and make sure the shadows fall on the correct time.



Did you find all the shadows the same length? Why or why not?

How are shadows created?

What makes this sundial work?

How is your sundial like the first sundials?

How does a sundial work?

A sundial shows the current solar time during the day. It does this because the sun appears to move through the sky. At different times in the day when the sun is shining, a shadow is cast in different places on the dial.

If you want to find out more about sundials:

<https://kids.kiddle.co/Sundial>

<https://kids.britannica.com/kids/article/sundial/403911>

http://www.bbc.co.uk/norfolk/kids/summer_activities/make_sundial.shtml

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