

Science  
**Earth and beyond**

I can construct a shadow clock.

Friday 11th June 2020



Do you know what this is?



# Sundial

## What is it and how it's made?

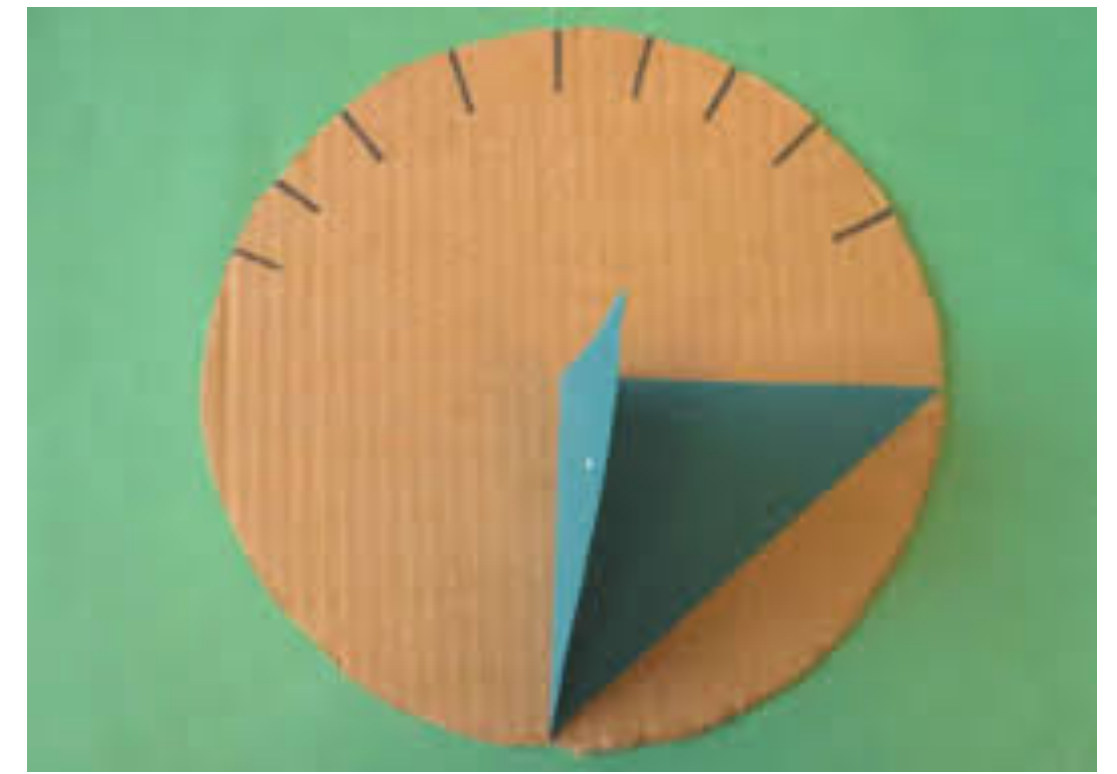
A **sundial** is a device that tells the **time of day** when there is sunlight by the apparent **position of the Sun** in the **sky**. In short, it consists of a flat plate (the *dial*) and a *gnomon*, which casts a **shadow** onto the dial. As the **Sun** appears to **move** across the sky, the shadow aligns with different *hour-lines*, which are marked on the dial to indicate the time of day.





# Task - Make your own Sundial

<https://www.youtube.com/watch?v=SeSexM-wVzA>



There are many different ways you can make a Sundial. Have a look at the video above and get started! Remember to take lots of photos.

**Challenge:** Can you write your own instructions of how to make a Sundial at home? Those will be really valuable for our encyclopaedia! 😊

