

Science 1st June

With the great weather continuing I hope you've had a go at some of the science ideas from the last few weeks – if not there's still time to get out into your garden or park or just around your town or village and look at the trees, plants and animals there.

If you've had a go at growing sunflowers I hope yours are doing better than mine! As we very gradually start to get back to school we'll compare how everyone's are doing!

This week we're looking at time and how we measure it so we'll start with a reminder from the work we did earlier in the year about our planet and the solar system.

Day and night reminder

<https://www.youtube.com/watch?v=Em3TlqNOUsk>

Summer solstice

The longest day – when there is most daylight in the northern hemisphere is called the summer solstice. This year it's on the 20th June and in the UK we'll have about 17 hours of daylight. In countries that are far enough north – like Alaska, Sweden and Norway – at this time of year the sun never sets <https://vimeo.com/126124468> and people celebrate the summer solstice in different ways

<https://www.nationalgeographic.com/culture/topics/reference/summer-soltice-history-around-world/>

Measuring time

We're going to try to measure time! Watching the movement of the sun and moon in the sky was the first way that ancient people tried to measure time. Two ideas to try

Sun dial

<https://www.wikihow.com/Make-a-Sundial>

There are lots of other designs you can try – I like the human sundial idea.

<https://www.youtube.com/watch?v=SDzaivKKXhk>

Minute timer challenge

Can you accurately time 1 minute? Choose one of the ideas in the videos to try.

One minute timer

<https://home.howstuffworks.com/home-improvement/how-to-build/how-to-build-one-minute-timer.htm>

Sand timer <https://www.youtube.com/watch?v=YtVyvv1jmFc>

Water clock <https://www.natgeokids.com/uk/home-is-good/make-a-water-clock/>

Marble run <https://www.instructables.com/id/1-Minute-Marble-Run/>