Year 5 Science

**The Moon project**

**Helpful links:** <https://www.stem.org.uk/primary-science> Please use this site and click on the year 5 topic Earth and Space (Provided by the Government for home learning)

Phases of the moon <https://www.stem.org.uk/elibrary/resource/29939>

Day and night world map <https://www.timeanddate.com/worldclock/sunearth.html>

Day time viewing of the moon <https://www.stem.org.uk/resources/elibrary/resource/31647/daytime-moon-viewing>

Children can create a comic strip to show how the moon changes shape over a period of time by recording the shape every evening.

They could also present their information digitally on word, or alternatively there are a number of templates on Purple Mash that the children could use under ‘English’ and then ‘2Publish Plus’. THERE IS A COMIC STRIP HERE.

**INCLUDE**

Method:

* From where they took the recording ie outside in garden or through a window?
* How did they record the brightness? Why?
* What time each evening did they do the recording?

Results – comic strip

* State if the brightness was different each evening
* Was there a pattern to the change in shape of the moon over a period of time?
* Did you have to take a different position to see the moon? Why?

Conclusion

What did you notice or learn from this investigation.

**Try this Moon experiment**

**Phases of the moon**

[**https://www.stem.org.uk/elibrary/resource/29939**](https://www.stem.org.uk/elibrary/resource/29939)

Follow the instructions from the link above. Adapt the experiment to suite your environment, for example if you do not have a lamp use the light on your mobile phone.

**Day and Night World Map**

Using the link Day and Night World Map click on the various highlighted areas to investigate how day and night changes around the world. Ask your child to draw a diagram showing how day and night occur in different places. They could give a talk to the family about why we have day or night.