

## Science Summer 1 Week 3

### Space Project 2: The Moon

This week you are going to be finding out all about the moon. You will be completing a session on the phases of the moon first and then you will choose one activity from the activity grid for the final two sessions.

You should aim to spend around 1 hour on each of the sessions for this week's project. You have one week to complete it. If you have time, you could try and complete more than two of the activities.

#### Session 1: The Phases of the Moon

Follow the steps below or use the Session 1 PowerPoint to work through this session.

##### Step 1:

Watch the video at <https://www.bbc.co.uk/bitesize/clips/zvw8q6f> which gives you a quick introduction to the moon.

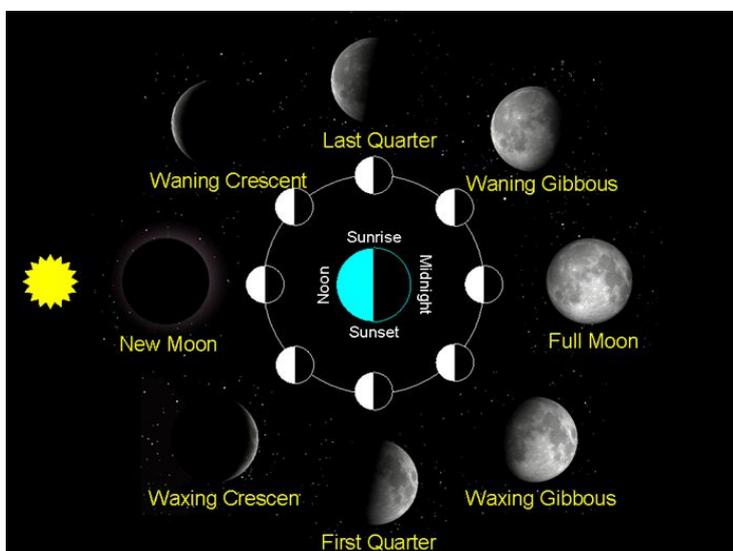
##### Step 2:

Watch the videos at <https://www.bbc.co.uk/programmes/p00n6zhl> and <https://www.bbc.co.uk/bitesize/clips/z3jd7ty> these explain how the movement of the moon and Earth results in the moon looking different each night. This cycle of different appearances is known as the 'Phases of the Moon'.

The moon moves through its different phases over 29.5 days (around 1 month). This is called the Lunar Cycle.

You can find out more about this at

<https://solarsystem.nasa.gov/moons/earths-moon/lunar-phases-and-eclipses/> .



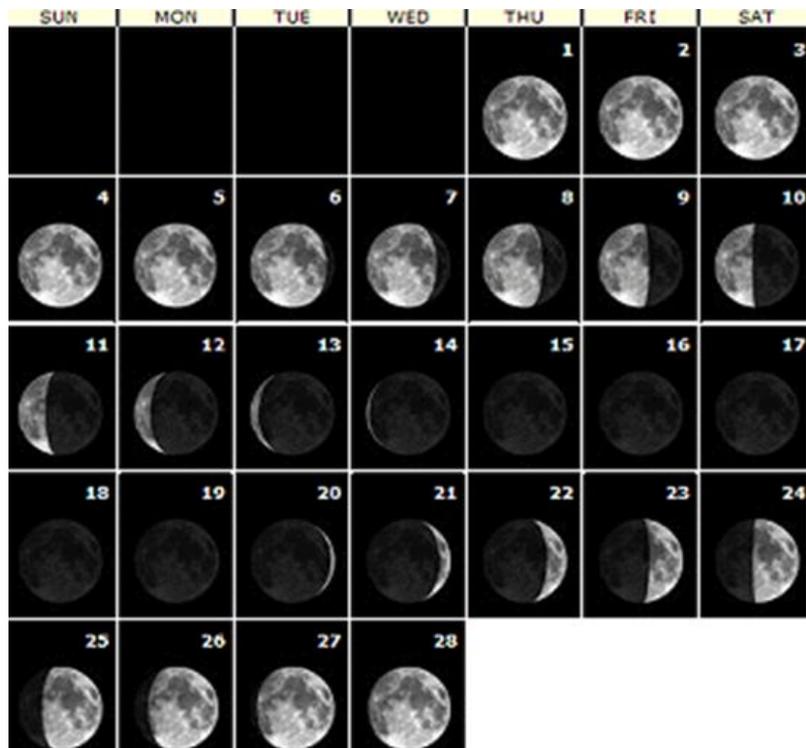
This Image shows the **8 phases** of the Moon.

#### Remember

We only ever see one half of the Moon.

You can see that the New Moon phase is when we cannot see the moon in the sky because it is blocking the light from the sun.

The below image is an example of what the moon might look like during a month.



### Step 3

Now choose one (or more if you like) of the methods below to show what you have learnt today.

1. Draw a diagram to show the phases of the Moon (you could use the image of the 8 phases to help you).
2. Write a list of the phases of the Moon including a small image of each one.
3. Using the videos you have watched to help you, create a video explaining the phases of the Moon.
4. Create a poster about the phases of the Moon.