

To Infinity and Beyond 3

This week's Science is going to be all about the moon. You probably knew already that the earth has one moon and we can see it in the sky. During the following activities, you will be thinking about: where the moon gets its light from and why its shape appears to be different at different times.

Task 1: Look at the cartoon below:



Do you think the girl in the cartoon is correct? Why do you think the moon is so bright? Can you research and find out the answer?

Task 2: We all know that the moon is spherical in shape so why does its shape look different to us at different times? You've probably noticed the change in the shape of the moon over time. We call this the 'phases of the moon.'

Can you use <https://www.kiddle.co/> to find out how many moon phases there are and what they're called? Can you present your findings creatively?

With Oreos perhaps...



Can you research and find out WHY the moon appears to be a different shape at different times?

Task 3: Have fun finding out what the moon looked like at important times in your life.

- Start by listing 10 dates that are important or significant to you. These can be important dates from your lifetime or dates in history that you think are important to you. It could be the day you were born, the day your parents got married, your first day at school, the last time England won the world cup...anything you like! You must write down the day, month and year.
- Then, use this website <https://stardate.org/nightsky/moon> to find out what the moon looked like on these dates. Can you work out what type of moon it was? For each of your special dates, draw what the moon looked like and write down the name of the phase. You could set it out like this:

Event:	
Date:	
Moon Drawing:	
Moon Phase:	

- Finally, can you present your findings creatively? You could produce a timeline, a collage, a little art journal, a zigzag book etc. Include the name of each event, the full

date, a labelled drawing of the moon phase and a drawing or photo that represents that event (e.g. a baby picture of you for the day you were born.)
It will be lovely to see them when they're finished!