

Year 5 Science Week 1

Space

L1: To explore what we know about the Earth, Sun and Moon

- I can write what I know about space.
- I can ask suitable questions about space, based on my previous subject knowledge.
- I can use scientific vocabulary

Key Vocabulary:

Orbit, Axis, Lunar, Solar, Gravity, gravitational pull, eclipse, phases of the moon (waxing, waning etc.), sun, moon, earth, spherical, shadow, axis, rotates



Task One

Thinking about what you already know from your learning in year 4, create a mind map about space, the planets and our solar system. Then, using the question matrix, ask three questions you would like to investigate during this unit of work.

COMPLEX QUESTION MATRIX	SIMPLE QUESTIONS				COMPLEX QUESTIONS		
	IS? DOES? PRESENT	HAS? DID? WAS? PAST	CAN? POSSIBILITY	SHOULD? OPINION	WOULD? COULD? PROBABILITY	WILL? PREDICTION	MIGHT? IMAGINATION
WHAT? EVENT							
WHERE? PLACE							
WHEN? TIME							
WHICH? CHOICE							
WHO? PERSON							
WHY? REASON							
HOW? MEANING							

If you would like to find out more about space here is a link to find out more

<https://www.bbc.co.uk/bitesize/topics/zkbbkqt>

Task two

Shadows



When we are outside on a sunny day, we can see how our **shadows** change **throughout the day**. Follow the link to watch a short time lapse video.

<https://www.youtube.com/watch?v=3B7KLstUZbl>

How could we find out more about this scientific concept?

Task two

Bullet point what you know about shadows and the sun. Make suggestions on how you could find out more by working scientifically. Use these questions to help you.

- What investigation could you carry out at home?
- What equipment would be useful?
- How would you make it a fair test?
- How would you record results?

Record your ideas in a short written paragraph or diagram using Google docs, word or a photograph of written work.