

You need your science book.

Don't write the date or WALT.

Year 5 – Spring Term 1



## Earth and Space

Learning objectives	Yr. 5 Success criteria	Yr. 5 Greater Depth
Beginning to identify scientific evidence that has been used to support or refute ideas or arguments.	I support my argument by using some detailed scientific evidence.	I support my argument by using a range of scientific evidence.
Beginning to plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	I can plan scientific enquiries, stating which one variable will remain constant.	I can plan different types of scientific enquiries, stating which one variable will remain constant.
Beginning to take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.	I take measurements accurately and repeat my measurements to improve my accuracy too.	I confidently take more measurements accurately and repeat my measurements to improve my accuracy too.
Beginning to record data and results of using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.	I can explore a range of graphs and charts such as scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.	I can explore a range of graphs and charts such as scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs and explain what they show.
Beginning to report and represent findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.	I can explain my conclusions using a report or graph to describe the key evidence to support my answers.	I can explain my conclusions in more detail using a report or graph to describe the key evidence to support my answers.
Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.	I know how the Earth and other planets move around the solar system.	I know exactly how the Earth and other planets move around the solar system and can describe their orbit patterns and lengths.
Describe the movement of the Moon relative to the Earth.	I can describe how the Moon moves around the Earth.	I can describe in greater depth how the Moon moves around the Earth and Sun.
Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	I know that day and night occur as the Earth rotates.	I know that day and night occur as the Earth rotates and can explain this scientific process and its effect to create time zones in detail.

Stick in the yellow sheet.

Use the next page.

Don't miss pages out.

(You don't need to write on this or do anything with it. Just stick it in please.)

Year 5 Spring Term 2021

What do you already know about Earth and space?

Space

What would you like to find out about space?

Pupils should be taught to:

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

**Stick in this sheet.** Please work on your own- I want to know what YOU already know.

Write about what you already know about Earth and space. Can you name any planets? Do you know how planets move? What shape is the Earth? You already know about the first Moon landing so you could add information about that too.

If you draw anything, use pencil.

Now write what you would like to find out about during our space topic.

Remember to use a question mark if it's needed.

This section might give you some ideas. For example, if you don't yet know how the Moon or Earth move, that could be your question.

