



How does the Earth fit into space?

<u>Launch</u>	<u>Intent</u>	<u>Key Concepts</u>	
Visit National Space Centre.	To gain an understanding of the wider world and space around us.	<ul style="list-style-type: none">• Curiosity• Impact	<ul style="list-style-type: none">• Humanity
<u>Core Texts</u>	<u>Cross-curricular Links</u>		<u>Key Figures</u>
Little leaders Big dreams 100 Things to know about space Range of non-fiction books			Hidden Figures- Mary Jackson, Kathryn Johnson and Dorothy Vaughn, Kristine Dearden Stephen Hawking Nicolaus Copernicus Galileo Jeffery Hoffman Isaac Newton
<u>Nature Connectivity</u>	<u>ICT/ Useful links</u>	<u>Enrichment</u>	<u>Oracy</u>
		Visit the Space Centre Sleepover- Star gazing, Black hole key speakers	*Who would you save on a hot air balloon?



Sequence of Lessons			
Subject	Learning Challenge	Learning Flashback	Adaptations
1. Science	Can I describe the Sun, Moon and Earth as spherical objects? Galileo proof Can I explore the planet Earth and identify its main features?	(Brief introduction and recap previous years' learning)	
2. Geography	Can I understand that the world is made up of hemispheres? Can I locate the Tropics of Cancer and Capricorn? Can I locate the Arctic and the Antarctic circles? Can I locate the position of the equator and know why it is important? Can I understand the significance of latitude?		
3. Geography	Can I understand the significance of longitude? Can I understand what the prime meridian is and understand why it is in Greenwich?		
4. Geography	Can I read and interpret a 4-figure grid reference?		
5. Geography	Can I understand time zones? Can I identify the latitude and longitude of cities?		
6. Science	Can I describe the movement of the Earth in relation to the sun and other planets in the solar system?		
7. Science	Can I describe the movement of the Moon in relation to the Earth? Can I explain the different phases of the Moon?		
8. Science	Can I explain why we have day and night? Can I compare the time of day at different places on the Earth?		
9. Science	Can I explain why we have seasons and how they are different across the world?	*Year 1 seasons	
10. Science	Can I research the different ideas about the shape of the Earth and how ideas of the solar system have developed? Geocentric and heliocentric		
11. Science	Can I complete a scientist study for Nicolaus Copernicus?		
12. Science	Can I understand the importance of Stephen Hawking's work? (Science book)		
13. Science	Can I complete a biography wordle for Stephen Hawking?		
14. Art	Can I explore a range of existing Space/ planet photographs?		
15. Art	Can I recall and explain what is meant by tint, tone, shade and hue?		
16. Art	Can I practise using a range of techniques and evaluate the effects they create?		
17. Art	Can I plan out the main features of my space picture and annotate?		
18. Art	Can I use a range of media to create a space picture? Can I evaluate my piece of artwork?		
19. Art	Can I evaluate my piece of artwork?		
20. Science	Can I explain what gravity is?		
21. Science	Can I research how the theory of gravitation was developed?		
22. Science	Can I identify the effects of air and water resistance?		



23. Science	Can I investigate air resistance using parachutes?		
24. Science	Can I explore the effects of friction in the real world?		
25. Science	Can I persuade my audience to save a chosen scientist?*Balloon debate		
26. PSHE (short session)	Can I use the story of <i>The cow who climbed the tree</i> to explore understanding of others? Can I listen to and respond to others whilst having discussions and debates about a range of topics?		