

Wider Curriculum				
Unit Plan for Home learning				
Subject:	Science Unit: Ea	rth and Space	Year: 5	
Session	Lesson task			
Week 1	<ul> <li>What are solar and lunar eclipses?</li> <li>In this lesson, we will learn about the Sun, the Earth and the Moon. We will also learn about satellites, including natural and artificial satellites. We will discuss the lunar phases and finally we will learn about solar and lunar eclipses.</li> <li>Watch this lesson about the phases of moon and eclipses.</li> <li>Record your responses to the activities in the lesson.</li> </ul>			
Session 1				
Week 1	What is the solar system?			
Session 2	<ul> <li>In this lesson, we will discuss what we can find in our solar system. We will also discuss what a planet, moon and space dust are. Finally, we will examine the differences between asteroids, meteoroids, meteors and meteorites.</li> <li>Watch this lesson about the solar system.</li> <li>Record your responses to the activities in the lesson</li> </ul>			
Week 2	What planets are in our solar system and what is it like on them?			
Session 3	<ul> <li>In this lesson, we will learn about the eight different planets in our Solar System.</li> </ul>			
	Watch this <u>video lesso</u>	<del>-</del>		
) A (	Record your responses to the activities in the lesson			
Week 2	<ul> <li>What are stars and constellations</li> <li>In this lesson, we will discuss how stars, including the Sun, were made. We will see how humans have</li> </ul>			
Session 4	<ul> <li>investigated more about stars since the invention of telescopes. Finally, we will learn about constellations</li> <li>Watch this <u>video lesson</u> about stars.</li> <li>Record your responses to the activities in the lesson</li> </ul>			
Week 3	What is a year? Why do we have seasons?			
Session 5	Watch the <u>BBC clip</u> about seasons and length of a year			
003310110	<ul> <li>Watch the two links on <u>this page</u> to learn more.</li> </ul>			
	· ·	ng diagrams to help, explain t	he 2 key questions.	
	What is a year? Why d			
		s this influence farmers?		
Week 3	Why do we have day and night and do their lengths change?			
Session 6		laining why we have day and nig t days of the year are called solsti		
	what this is and why we			
	1	nation and diagram to explain wh	ny we have fewer hours of	
	sunlight in December the	an June in the UK.		
		the different times of the day effe	ect the different parts of	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	the world.	nd how do they change during	the day?	
Week 4	<ul> <li>Why do we have shadows and how do they change during the day?</li> <li>Watch each of the clips on this page about changing shadows, there are</li> </ul>			
Session 7	a series of <u>6 short vide</u>		ng snaaows, mare are	
		shine and are able to, you cou	old try out the activities	
	Answer the key questi	on in your own words using did	agrams to help you.	

347 1 4	What is the universe and what is it made from ?		
Week 4	What is the universe and what is it made from?		
Session 8	<ul> <li>In this lesson, we will investigate what the universe is. We will also discuss galaxies, including the galaxy we are in: the Milky Way. Finally, we will discuss and investigate the Big Bang Theory as an explanation</li> </ul>		
	for how the universe began.		
	Watch the video <u>lesson about the universe</u> .		
	Record your responses to the activities in the lesson		
Week 5	What do astronomers do?		
Session 9	In this lesson, we will discover the works of famous astronomers and their contributions to society.		
36331011 7	Watch the video <u>lesson about astronomers</u> .		
	Record your responses to the activities in the lesson		
Week 5	Scientists and space		
Session	Look at the posters in the support below.  Provided the posters in the support below.		
	Read about the following scientists and research more about them:      Read about the following scientists and research more about them:		
10	Dr Gladys West and Dr Maggie Aderin-Pocock		
	What is the thing that you found most interesting about them?		
	Research and present on one scientist who has contributed to the science and		
	space. You may choose one of these ladies or someone else.		
Week 6	How have our ideas about the universe changed over time?		
Session	<ul> <li>In this lesson, we will look at how our ideas of the universe have changed over time. We will learn about the geocentric model, the heliocentric model and elliptical orbits. We will draw the different</li> </ul>		
	models of the universe and make comparisons between them.		
11	<ul> <li>Watch <u>this video</u> about the work of Nicolaus Copernicus and theory of the</li> </ul>		
	universe.		
	What do you think the main 3 points about his work?		
	<ul> <li>Watch lesson about the <u>history of ideas about the universe</u></li> </ul>		
	Record your learning following the lesson's activities.		
Week 6	Who was Katherine Johnson and why is she remembered?		
Session	<ul> <li>Watch the lesson about <u>Katherine Johnson</u> and her life</li> </ul>		
	Record your learning in the lesson's activities		
12	Carry out some of your own research and find out more about her achievements.		
Week 7	Who was Stephen Hawking?  • Watch the lesson about <u>Stephen Hawking</u> and his achievements.		
Session			
	Create your own science presentation		
13 and	You will need to create your own script and presentation as explained in the		
14	lesson to share with others.		
	You can be as creative as possible in how you do this.		
	Take what would be 2 lessons to do a great job in your script and presentation.		

## **Session Resources**

## Week 5 session 10

