



TSS Primary Science 2020-2021 Year 5 Block 4 Earth and Beyond

Block	Unit	Key Targets and Learning Objectives	Key Activities	Key vocabulary
Working Scientifically		<ul style="list-style-type: none"> ➤ Can record data and results of increasing complexity using bar and line graphs. ➤ Can report and present findings from enquiries in oral and written forms such as displays and other presentations. Can report and present findings from enquiries in oral and written forms such as models 		
4	Space	<ul style="list-style-type: none"> ➤ Day and night. The sun does not move. Its apparent movement is caused by the Earth's rotation on its axis every 24 hrs. ➤ Know that the Earth takes a year to orbit the Sun. ➤ Know the seasons are caused by the Earth's tilt and its orbit around the sun. 	<ul style="list-style-type: none"> ➤ Use a model Earth (Orange with a kebab stick through it) and sun (torch) to explain day and night. ➤ Use the model (above) marked with coloured pins in Northern Hemisphere. Observe positional changes in day and night during an orbit. ➤ Graph a set of data to show length of day changes in Northern and Southern Hemisphere. ➤ Sequence the planets and graph their speed in orbit. ➤ Choose a scientist and research their life, giving details about their most important discoveries. ➤ Present to a group their findings about a famous scientist. 	Sphere, model, horizon, axis, rotate, orbit, equator, planet, moon, constellation, solar system, astronomy, theory, gravity, universe, telescope, Asteroid, comet, line graph
		Going Green Link: Satellites – wifi in school use technology rather than printed worksheets. Children make PowerPoint presentations about a space explorer – linked to space timeline.	Integration of technology: On tablets, research planets, to collect facts about chose famous scientist. -Use Quizlet to revise key vocabulary and concepts.	