



TSS Primary Science MTP 2022-2023

Year 1 Block 3 – Earth and Space

Key Targets and Learning Objectives		Key Activities	Equipment
<ul style="list-style-type: none"> • Know that Earth is mostly covered in water • Describe land as being made of rock and soil • Know that Earth is the planet on which we live • Describe the Sun as a source of heat and light, and as one of many stars • Working Scientifically: • Ask questions about the world around us and talk about how to find answers • Use given equipment appropriately 		<ul style="list-style-type: none"> • What does earth look like from space? • Predictions, discussions, pictures. Watch videos of astronauts in space and rockets as they take off. Show video footage of space and the view of earth. • Challenge – complete the sentences - Activity Book. • Earth quiz. • Discuss lakes, rivers, wadis the children have been to. Why are we discussing water? Create earth pictures of land and water using sand and grass. • Activity Book – pg 60 – 67 • Creating models of the sun and earth. Demonstrate how it works. • Discuss why the sun is so important. Create a mind map of reasons why we need the sun. Children to draw pictures of what they predict the world would look like without the sun. Include plants and trees and the importance of the sun for their growth. Focus – Heat and Light. • Planets – make from styrofoam balls and paint. Colors and sizes and then create a model going around the sun. • Science reports about space and planet earth. Facts, info and stories. • Starry sky pictures using black card and yellow/white chalk or star stickers. Include the sun as a much bigger/shining star and earth at the bottom. 	<ul style="list-style-type: none"> • Globes • Torches • Large card blue, green, black. • Work Books • Sphere • Styrofoam balls • Paint • White and yellow chalk • Solar system model
Key vocabulary	Going Green Link	Integration of technology	
Question, Predict, Observe, Equipment, Describe, Experiment, Investigate, Safety, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, Dwarf Planet, heat, light, planet, earth, solar system, astronaut, rocket, space, news report, information.	<ul style="list-style-type: none"> • Importance of the sun for growing trees. • Plants needing light and the importance of plants and trees in the world around them. 	<ul style="list-style-type: none"> • You tube clips of astronauts in space. • Bee-Bots – Programming around the planets in the solar system. • Astronaut’s stories from space. 	