



TSS Primary Science MTP 2023-2024 Year 2 Block 2 - Physics

Key Targets and Learning Objectives		Key Activities	Key Equipment
<ul style="list-style-type: none"> Know that forces can change the movement of an object. Know that forces can change the shape of an object. Recognise that things will only speed up, slow down or change direction when something else causes them to do so. Know that there are many light sources, including the Sun. Know that darkness is the absence of light. Identify how we use electricity and describe how to be safe with it. Recognise the components of simple circuits (limited to cells, wires and lamps). Explore the construction of simple series circuits (limited to cells, wires and lamps). Make predictions about what they think will happen. (WS) Use given equipment appropriately. (WS) 		<ul style="list-style-type: none"> Tug of war Y2 Push & Pull Lesson Slides: opposite forces – pull: brings things closer Toy car race Y2 Push & Pull Lesson Slides: opposite forces – push: moves things further away. What happens when you push it gently? What happens when you push it hard? Would the size of the car affect how far it goes? Would a heavier car need a harder or softer push? Make a Paper rocket Y2 Push & Pull Lesson Slides – Y2 Primary Science Learner's Book p. 40. <i>Thinking Scientifically link</i> – make predictions; how high will it go? <i>Non-standard measurement</i>; use your hand to show how high it went Flashlight brightness test Y2 Lesson 1 Light Slides. <i>Earth and Science link</i> – intro. Movement of the sun; day and night Y2 Lesson 2 Changing Shape – Changing Shape Activity Sheet <ul style="list-style-type: none"> - Playdough Squeeze and Squash. <i>Chemistry link</i> – some changes can turn a material into a different material. We know that force can change a material, what else can change materials i.e: weight, heat, cold etc. Sort electrical and non-electrical object Y2 Lesson 2 Uses and safety Slides 	<ul style="list-style-type: none"> Rope Toy cars Plastic bottle Paper 3 Different Flashlights Sheets of paper Playdough Squeeze and Squash Playing card Dice
Physics Key Vocabulary	Going Green Link:	Integration of technology:	
Force, Push, Pull, Move, Fast, Slow, Shape, Change, Light, Source, Dark, Electricity, Current, Circuit, On, Off	Think about: How can we save electricity? Why it's important to save electricity? What are some renewable forms of electricity?	Use of iPads <ul style="list-style-type: none"> - Pictures for observations - Research animals that are vertebrates 	