






TSS Primary Science MTP 2022-2023
Year 2 Block 4 – Physics



Key Targets and Learning Objectives	Key Activities	Equipment
<p>Forces and energy 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</p> <p>Light and sound Know that there are many light sources, including the Sun Know that darkness is the absence of light</p> <p>Electricity and magnetism 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)</p>	<p>STEM activity – Invent a new electrical appliance.</p> <p>Learner’s Book:</p> <p>Identifying forces as pushes and pulls that can move or stop things.</p> <p>Comparing the size of pushes using paper rockets.</p> <p>Learner’s Book: Activity:</p> <p>Using forces to move things and stop things Think like a scientist:</p> <p>Make a paper rocket launcher Workbook: Topic 2.1 Digital Classroom: Activity – Push or pull? 2.2 Changing shape 4 Investigating how forces change the shape of some objects.</p> <p>Activity 1: Electricity in school Activity 2: Which switch?</p> <p>Think like a scientist: Finding out about electricity.</p> <p>Workbook: Topic 6.1</p> <p>Teacher’s Resource:</p> <p> Worksheets 6.1A, 6.1B, 6.1C</p> <p>Digital Classroom:</p> <p>Song – There’s electricity.</p> <p>Mains means danger Activity 2: Electrical safety poster.</p> <p>Think like a scientist: Electrical safety survey.</p>	<ul style="list-style-type: none">• Bulbs• Electricity sources• Torches• Circuits• Battery• Cells• Wires• Lamps• Drinking glass• Paper• Pens



TSS Primary Science MTP 2022-2023
Year 2 Block 4 – Physics

	<p>Learner's Book:</p> <p>Activity 1: Mains means danger Activity 2: Electrical safety poster.</p> <p>Think like a scientist: Electrical safety survey.</p> <p>Workbook: Topic 6.2</p> <p>Teacher's Resource:</p> <p> Worksheets 6.2A, 6.2B, 6.2C</p>	
	<p>Learner's Book:</p> <p>Activity 1: Make a circuit.</p> <p>Think like a scientist: Do more lamps mean brighter lamps?</p> <p>Activity 2: Why are wires made of metal?</p> <p>Activity 3: Do more cells make lamps brighter?</p> <p>Workbook: Topic 6.3</p> <p>Teacher's Resource:</p> <p> Worksheets 6.3A, 6.3B, 6.3C</p> <p>Digital Classroom:</p> <p>Manipulative – Can you build a circuit?</p>	
Key vocabulary	Going Green Link	Integration of technology
	Looking at ways of renewable sources of energy including solar power.	<ul style="list-style-type: none">- Use of i pads for research.- Use of circuits and battery.