



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

Key Targets and Learning Objectives	Key Activities	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) 	<ul style="list-style-type: none"> STEM activity – Invent a new electrical appliance. Learner's Book: Activity 1: Electricity in school Activity 2: Which switch? Think like a scientist: Finding out about electricity Workbook: Topic 6.1 Teacher's Resource: Worksheets 6.1A, 6.1B, 6.1C Digital Classroom: Song – There's electricity Mains means danger Activity 2: Electrical safety poster Think like a scientist: Electrical safety survey Learner's Book: Activity 1: Mains means danger Activity 2: Electrical safety poster Think like a scientist: Electrical safety survey Workbook: Topic 6.2 Teacher's Resource: Worksheets 6.2A, 6.2B, 6.2C Learner's Book: Activity 1: Make a circuit Think like a scientist: Do more lamps mean brighter lamps? Activity 2: Why are wires made of metal? Activity 3: Do more cells make lamps brighter? Workbook: Topic 6.3 Teacher's Resource: Worksheets 6.3A, 6.3B, 6.3C Digital Classroom: Manipulative – Can you build a circuit? 	<ul style="list-style-type: none"> Bulbs Electricity sources Torches Circuits Battery Cells Wires Lamps Drinking glass Paper Pens
Key vocabulary	Going Green Link	Integration of technology



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	Looking at ways of renewable sources of energy including solar power.	Use of iPads for research. Use of circuits and battery.	
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