## **Distance Learning 2020-2021**

Subject	Science
Class/Division	Year 4 A-F
Week 10 -Term 2	25 <sup>th</sup> April to 29 <sup>th</sup> April
Work sent to	ZOOM / Google Classroom
students via	5
Total number of	3 ZOOM sessions
lessons per week	
UNIT 7	Electric Circuits
Electricity	
ZOOM 1	<b><u>Learning Objective:</u></b>
	Recognise and name the components in a simple series
	circuit (Components include: bulb, buzzer, wire, cell, battery
	and switch).
	<b>Learning Outcome:</b>
	<ul> <li>Identify the components in a circuit (cells, wires, bulbs, switches and buzzers).</li> </ul>
	<ul> <li>Understand that a circuit needs a power source to work.</li> </ul>
	<ul> <li>Recognize that electricity can flow only in a complete circuit without gaps.</li> </ul>
	Draw a complete circuit with pictorial representation & symbols.
Resources:	<ul> <li>PPT with video link.</li> <li>Topic Book &amp; Workbook.</li> <li>Active Learn allocation.</li> </ul>
Task:	<ul><li>Read Topic Book pages 6&amp;7</li><li>Complete Work Book pages6&amp;7</li></ul>
ZOOM 2	Learning Objective:
2001/12	Construct simple working series circuits from simple
	instructions or drawings.
	<b>Learning Outcome:</b>
	Understand the effects of a component failure in a
	series circuit.
	Predict whether the bulb will light.
	Identify simple connection errors in circuits drawn in
	3D or using symbols.
	<ul> <li>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</li> </ul>
Resources:	<ul><li>Topic Book &amp; Workbook.</li><li>Active Learn allocation.</li></ul>

Task:	<ul><li>Read Topic Book pages 8 &amp; 9</li></ul>
	Complete Work Book pages 8 & 9
ZOOM 3	<b>Learning Objective:</b>
	<ul> <li>Understand that a switch can be used to break a</li> </ul>
	circuit.
	<b>Learning Outcome:</b>
	<ul> <li>Recognize that a switch works by causing a break in</li> </ul>
	the circuit.
	<ul> <li>Realize that an open switch introduces 'gap'.</li> </ul>
	<ul> <li>Predict the effects of open and closed switches in a series circuit.</li> </ul>
	Make a working switch and test it in a simple circuit.
Resources:	❖ PPT with video link.
	❖ Topic Book & Workbook.
	❖ Active Learn allocation.
Task:	<ul> <li>Read Topic Book pages 14 &amp; 15</li> </ul>
	<ul> <li>Complete Work Book pages 14 &amp; 15</li> </ul>