



## TSS Primary Science MTP 2021-2022

### Year 5 Block 5 – Scientific Enquiry

Key Targets and Learning Objectives		Key Activities	Key Vocabulary
<ul style="list-style-type: none"> <li>To ask scientific questions and select appropriate scientific enquiry.</li> <li>To make predictions referring to scientific knowledge.</li> <li>To plan a fair test investigations identifying the independent, dependent and control variables.</li> <li>To take appropriate accurate measurements with different equipment</li> <li>To carry out practical work safely</li> <li>To collect and record observations/measurements in tables and diagrams</li> <li>To describe the accuracy of predictions based upon results</li> <li>To make a conclusion from results informed by scientific understanding</li> <li>To suggest how an investigation could be improved and explain proposed changes</li> <li>To present and interpret results using tables, charts and graphs</li> </ul>		<p>For the investigation, the pupils will set up and conduct the investigation followed by a detailed write up covering the different stages. (Hypothesis, prediction, variables, method, apparatus, results table, graph, conclusion, evaluation).</p> <ul style="list-style-type: none"> <li>Friction:               <ul style="list-style-type: none"> <li>- How does the angle of the ramp effect the distance travelled?</li> <li>- How does the material of the surface effect the distance travelled?</li> <li>- How does the height of the object on the ramp effect the distance travelled?</li> </ul> </li> <li>States of Matter:               <ul style="list-style-type: none"> <li>- Expanded gases/Balloon experiment (science challenge cards, challenge 6)</li> </ul> </li> <li>Water tension:               <ul style="list-style-type: none"> <li>- Paper clip in water (Science Challenge cards, challenge 15)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Hypothesis</li> <li>Question</li> <li>Prediction</li> <li>Method</li> <li>Apparatus/equipment</li> <li>Fair test</li> <li>Variables</li> <li>Dependent</li> <li>Independent</li> <li>Results table</li> <li>Graph/Chart</li> <li>Diagram</li> <li>Control</li> <li>Conclusion</li> <li>Evaluation</li> </ul>
Working Scientifically:	Going Green Link:	Integration of technology:	
<ul style="list-style-type: none"> <li>See Above</li> </ul>	<ul style="list-style-type: none"> <li>To explain the importance of recycling</li> <li>To discuss renewable energy such as solar and hydro-electric power</li> </ul>	<ul style="list-style-type: none"> <li>To use iPads to conduct research</li> <li>To photograph/video our observations</li> </ul>	