

# Leintwardine Endowed CE Primary School Learning Journey Key

'Letting Our Light Shine'

SUBJECT : Science

YEAR : B

TERM : Summer 2

YEAR GROUPS : 3/4

Key Question : How can I design a fair test?

Question	Vocabulary to Use	Information which will help me	Can I...?																		
<p>Can I ask good scientific questions and find ways to answer them?</p> <p>Can I set up a fair test?</p>	<p>scientific enquiry, fair test, gather, record, present, data, classify, conclusion, systematic, observation, measure, measurement accurately</p>	<div data-bbox="495 400 884 678"> <h3>Line Graph</h3> <p>A line graph to show the length of shadow over time</p> <p>Length of Shadow</p> </div> <div data-bbox="891 400 1355 790"> <h3>Bar Chart</h3> <p>A bar chart to show children's favourite flavour of crisps</p> <p>Number of Children</p> <p>Favourite Flavour of Crisps</p> </div> <div data-bbox="1366 400 1691 821"> <h3>Chemical Reaction Clues</h3> <p>Bubbles form when the chemicals are mixed.</p> <p>There is a temperature change.</p> <p>There is a color change.</p> <p>A solid or powdery substance is formed and visible at the bottom of the mixture.</p> </div>	<ul style="list-style-type: none"> <li>• Ask relevant questions and using different types of scientific enquiries to answer them?</li> <li>• Set up simple practical enquiries, comparative and fair tests?</li> <li>• Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, use a range of equipment, including thermometers and data loggers?</li> </ul>																		
<p>Can I gather, record, classify and present data in different ways?</p>		<div data-bbox="495 715 884 981"> <h3>Pie Chart</h3> <p>A pie chart to show children's favourite colour.</p> </div> <p>• <b>Interpreting data</b> means working out what the table, chart or graph shows and being able to answer questions about the information.</p>	<ul style="list-style-type: none"> <li>• Gather, record, classify and present data in a variety of ways to help in answering questions?</li> <li>• Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables?</li> </ul>																		
<p>Can I draw a simple conclusion?</p>		<div data-bbox="495 890 884 1066"> <h3>Pictogram</h3> <p>A pictogram to show children's favourite colour</p> <p>= 2 Children</p> </div> <div data-bbox="896 890 1691 1066"> <p><b>Cows</b>      Change one thing</p> <p><b>Moo</b>        Measure something</p> <p><b>Softly</b>      Keep everything else the Same</p> </div>	<ul style="list-style-type: none"> <li>• Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions?</li> </ul>																		
<p>Can I make systematic and careful observations?</p>		<div data-bbox="495 1066 1691 1241"> <h3>Frequency Table</h3> <table border="1"> <thead> <tr> <th>Eye Colour</th> <th>Tally</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>brown</td> <td>    </td> <td>6</td> </tr> <tr> <td>blue</td> <td>     </td> <td>8</td> </tr> <tr> <td>green</td> <td>   </td> <td>3</td> </tr> <tr> <td>grey</td> <td>    </td> <td>4</td> </tr> <tr> <td>hazel</td> <td>    </td> <td>5</td> </tr> </tbody> </table> </div>	Eye Colour	Tally	Frequency	brown		6	blue		8	green		3	grey		4	hazel		5	<ul style="list-style-type: none"> <li>• Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions?</li> </ul>
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<p>How do those measurements and use them accurately?</p>		<ul style="list-style-type: none"> <li>• Identify differences, similarities or changes related to simple scientific ideas and processes?</li> <li>• Use straightforward scientific evidence to answer questions or to support findings?</li> </ul>																			