

## Overview – Year 5 Summer 2 The Scientific Method

Lesson	Objectives	Scientific enquiry	Equipment list
1. What is the scientific method?	<ul style="list-style-type: none"> <li>• Know how we ask questions in science</li> <li>• Give examples of questions asked in science</li> <li>• Investigate questions in science</li> </ul>	Design a comparative test	Various materials – carpet, cling film etc, ramp and something to lean it on
2. What are variables?	<ul style="list-style-type: none"> <li>• Identify the different types of variables</li> <li>• Plan an investigation using variables</li> <li>• Carry out an investigation using variables</li> </ul>	Comparative test vinegar volcano	Tray small plastic bottle, baking soda, vinegar, balance, beaker
3. What is the best equipment for the job?	<ul style="list-style-type: none"> <li>• Recognise a range of equipment</li> <li>• Describe the function of a range of equipment</li> <li>• Correctly use science equipment</li> </ul>	Comparative test – data logger	App with magnetometer, range of objects (including metallic objects)
4. Is the data reliable?	<ul style="list-style-type: none"> <li>• Know how to collect accurate data</li> <li>• Know how to collect precise data</li> <li>• Generate repeatable data</li> </ul>	One stage of a fair test	Water, salt, beaker, stirring rod
5. How did the scientific method transform blood transfusions?	<ul style="list-style-type: none"> <li>• Know an important discovery using the scientific method</li> <li>• Describe the discovery using the scientific method</li> <li>• Use knowledge to make a hypothesis</li> </ul>	Secondary research using the booklet Model – Demonstration of blood separation (using milk)	Whole milk, vinegar, strainer, cheesecloth, 3 beakers, fridge
6. How did the scientific method help us learn about chimpanzees?	<ul style="list-style-type: none"> <li>• Know an important discovery using the scientific method</li> <li>• Describe the discovery using the scientific method</li> <li>• Use knowledge to make a hypothesis</li> </ul>	Research using the booklet, observation over time	Webcam live footage or alternative stated in notes