

Year 5 Summer 2 The Scientific Method - Scientific enquiry

Lesson	Objectives	Scientific enquiry	Equipment list
1. What is the scientific method?	<ul style="list-style-type: none"> • Know how we ask questions in science • Give examples of questions asked in science • Investigate questions in science 	Design a comparative test	Various materials: carpet, cling film etc, ramp and something to lean it on
2. What is a variable?	<ul style="list-style-type: none"> • Identify the different types of variables • Plan an investigation using variables • Carry out an investigation using variables 	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"> • Recognise a range of equipment • Describe the function of a range of equipment • Correctly use science equipment 	Comparative test – data logger	App with magnetometer, range of objects (including metallic objects)
4. Is the data reliable?	<ul style="list-style-type: none"> • Know how to collect accurate data • Know how to collect precise data • Generate repeatable data 	One stage of a fair test	Water, salt, beaker, stirring rod
5. How did the scientific method transform blood donations?	<ul style="list-style-type: none"> • Know an important discovery using the scientific method • Describe the discovery using the scientific method • Use knowledge to make a hypothesis 	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"> • Know an important discovery using the scientific method • Describe the discovery using the scientific method • Use knowledge to make a hypothesis 	Research using the booklet, observation over time	Webcam live footage or alternative stated in notes