

Overview – Year 4 Summer 2 The History of Science

Lesson	Objectives	Scientific inquiry	Equipment list:
1. Did science exist in prehistoric times?	<ul style="list-style-type: none"> State how early humans lived Describe how simple machines are useful Explain how science can help humans survive 	<p>Make a simple machine (lever)</p> <p>Raising questions and carrying out tests, gathering and recording data to find answers to questions, exploring the effects of simple levers, looking for patterns in the way levers are made</p>	Wooden ruler, pencil, pennies or other small weights
2. How did ancient Egyptians use science?	<ul style="list-style-type: none"> Recall an ancient civilisation Describe some challenges they faced Explain how ancient Egyptians responded to these challenges using science 	<p>Make a mummified apple</p> <p>Set up simple practical enquiry, use results to make simple conclusions, identify similarities, differences or changes related to simple scientific ideas and processes.</p>	2 apples, measuring cup, 1.5 cups salt, 1.5 cups baking soda, table knife, 4 paper bags
3. What was ancient Greek science?	<ul style="list-style-type: none"> Recall an ancient civilisation Describe some challenges they faced Explain how ancient Egyptians responded to these challenges using science 	<p>Can we prove Aristotle was wrong?</p> <p>Making careful observations, use straightforward scientific evidence to answer questions or to support findings</p>	Two plastic bottles, water

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<p>4. How did Ancient Rome use science?</p>	<ul style="list-style-type: none"> Recall an ancient civilisation Describe some challenges they faced Explain how ancient Romans responded to these challenges using science 	<p>Aqueduct challenge</p> <p>Set up a simple practical enquiry, use a model to represent a system</p>	<p>Paper towels, foil, large Lego bricks, blu tack, scissor, glue, water, paper cups</p>
<p>5. What was science in the Middle Ages?</p>	<ul style="list-style-type: none"> Recall some civilisations outside of Europe Describe some challenges they faced Explain how they overcame challenges using science 	<p>Make a Kaleidoscope</p> <p>Set up a simple practical enquiry, using a range of equipment, use a model to represent a system</p>	<p>Cardboard tube, reflective paper, bendy straw, scissors, tape, card</p>
<p>6. What is modern science?</p>	<ul style="list-style-type: none"> Recall some important modern scientists Explain some issues they faced trying to introduce new knowledge Suggest why they changed the way people think about the world 	<p>How to save an egg</p> <p>Set up a simple practical enquiry</p>	<p>Large paper cup of water, small tray or piece of stiff cardboard, cardboard tube, boiled or raw egg (if you dare), optional – coins and paper plate</p>