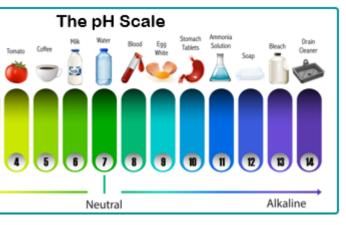
| Key Scientific Skills | Year 3 Scientific Enquiry | Lesson Sequence Image: Sequence 1. How can a solar oven be made more effective: posing | | Year 3 Science - Autur | |
|--|---------------------------------|---|--|---|--|
| | | | ns and writing | The Scientific Method | Scientific |
| Ask relevant questions and using different types of scientific enquiries to answer them | | made m | can a solar oven be ore effective: ng and presenting | | |
| Set up simple practical enquiries, comparative and fair tests Make systematic and careful | | a meth | nning coins: writing od and carrying out tical test | Cuestion Question Hypothesis | Battery And Lenon Tonyoo Cofee |
| observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including | | | aning coins: g a method | | 1 1 2 3 4 5 6 Acidic |
| thermometers and data loggers Gather, record, classify and present data in a variety of ways to help in answering questions | | testing variab | king a cake: fair g, controls and les king a coin: tific enquiry | Analysis Conclusion | The Scientific I Comparative / fair test Changing one variable effect on another, while others the same. |
| Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables | | scientific investigation | finding answers to que | Rocket Words | Research Using secondary source information to answer questions. |
| Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions | | prediction plausible record | having a reason Observi | | Observation over time Observing changes that period of time, ranging to months. |
| Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further | | data method control experiment | a set of facts or numbers used to learn about something instructions for carrying out an experiment an experiment that is used to compare other experiments where there are variables are diffi | | |
| questions Identify differences, similarities or changes related to simple scientific ideas and processes | | equipment tools or items that are needed enquiry a question to find something out practical the performing of a scientific experiment | | | Identifying, grouping a Identifying observation sort and organise item |
| Use straightforward scientific evidence to answer questions or to support their findings | | conclusion fair test | the end result or outco where one variable is o | ome changed and all other elements are kept the same | Problem-solving Applying prior scientif to find answers to prob |

Bird in Bush Primary School Science Knowledge Organiser 2023-2024

Knowledge Organiser adapted from the Developing Experts Science Scheme

Autumn 1 Unit ntific Enquiry





The Scientific Method

rative / fair testing ng one variable to see the n another, whilst keeping all

econdary sources of tion to answer scientific

ing changes that occur over a of time, ranging from minutes

ing patterns and looking for ships in enquiries where es are difficult to control.

ing, grouping and classifying ing observations to name, d organise items.

g prior scientific knowledge answers to problems.

fair test where one variable is changed, and all other elements are kept the same

variable something that is changed

control experiment - an experiment that is used to compare other experiments where there are variables