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| Working Scientifically  skills | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| 5 types of enquiries:   * Observe over time * Pattern seeking * Identifying, classifying and grouping * Comparative and Fair test * Research using secondary sources | Know how to ask simple scientific questions    Know how to use simple equipment to make observations    Know how to carry out simple tests    Know how to identify and classify things    Know how to explain to others what I have found out    Know how to use simple data to answer questions | | Know how to ask relevant Scientific questions    Know how to use observations and knowledge to answer scientific questions    Know how to set up a simple enquiry to explore a scientific question    Know how to set up a test to compare two things    Know how to set up a fair test and explain why it is fair    Make careful and accurate observations, including the use of standard units    Know how to use equipment, including thermometers and data loggers to make measurements  Gather, record, classify and present data in different ways to answer scientific questions    Know how to use diagrams, keys, bar charts and tables- using scientific language    Know how to use findings of a report in different ways, including oral and written explanations, presentations.    Know how to draw conclusions and suggest improvements    Know how to make a prediction with a reason    Know how to identify differences, similarities and changes related to an enquiry | | Know how to plan different types of scientific enquiry    Know how to control variables in an experiment    Know how to measure accurately and precisely using a range of equipment    Know how to record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs    Know how to use the outcome of test results to make predictions and set up further comparative and fair tests    Know how to report findings from enquiries in a range of ways    Know how to explain a conclusion from an enquiry  Know how to explain causal relationships in an enquiry    Know how to relate the outcome of an enquiry to scientific knowledge in order to state whether evidence supports or refutes and argument or theory    Read, spell and pronounce scientific vocabulary accurately | |