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|  | **By the end of Reception…** | **By the end of KS1…** | **By the end of LKS2…** | **By the end of UKS2…** |
| **Ask Questions and Plan Enquiries** | I have my own ideasI can question why things happen | I can ask simple questions and recognise that they can be answered in different ways | I can ask relevant questions and use different types of scientific enquiries to answer them | I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary |
| **Set up Enquiries** | I can test my ideas | I can perform simple tests | I can set up simple practical enquiries, comparative and fair tests | I can use test results to make predictions to set up further comparative and fair tests |
| **Observe and Measure** | I can use my senses and look closelyI can use equipment and tools carefully | I can observe closely, using simple equipment to take measurements | I can make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers | I can take measurements, using a range of scientific equipment, with increasing accuracy and precision, and take repeat readings when appropriate |
| **Record** | I can talk about things like plants, animals and found objectsI can create simple representations of people and objects | I can gather and record simple data to help in answering questions. | I can gather, record, classify and present data in a variety of ways to help in answering questionsI can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables | I can record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs |
| **Interpret and Report** | I can notice similarities and differencesI begin to use science words | I can identify, classify, compare, sort and group things *(Using appropriate scientific language)* | I can report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusionsI can identify differences, similarities or changes related to simple scientific ideas and processes | I can report and present findings from enquiries, including conclusions and causal relationships, in oral and written forms such as displays and other presentations |
| **Evaluate** |  | I can use my observations and ideas to suggest answers to questions | I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questionsI can use straightforward scientific evidence to answer questions or to support my findings | I can identify scientific evidence that has been used to support or refute ideas or argumentsI can explain the degree of trust in my results |