**Working Scientifically – Obtaining and Presenting Evidence**



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|  | **Knowledge** | **Units** | **Subject Aspects** |
| **Year 3** | * Can they take accurate measurements using different equipment and units of measure? * Can they record their observations in different ways? labelled diagrams, charts etc * Can they describe what they have found using scientific language? | **PLAN Units:**  Rocks  Animals, including humans  Plants  Light  Forces and magnets | NC Aspects:  Rocks  Animals, including humans  Plants  Light  Forces and magnets |
| **Year 4** | * Can they take measurements using different equipment and units of measure and record what they have found in a range of ways? * Can they use a range of scientific equipment to take accurate measurements or readings? * Can they explain their findings in different ways (display, presentation, writing)? * Can they record data using diagrams, labels, classification keys, tables, scatter graphs, bar graphs and line graphs? | **PLAN Units:**  Animals including humans  States of matter  Sound  Electricity | NC Aspects:  Animals including humans  States of matter  Sound  Electricity |
| **Year 5** | * Can they take measurements using a range of scientific equipment with increasing accuracy and precision? * Can they take repeat readings when appropriate? * Can they record more complex data and results using scientific diagrams, labels, classification keys, table, scatter graphs, bar and line graphs? | **PLAN Units:**  Living things and their habitats  Forces  Properties and Changes of Materials | NC Aspects:  Forces  Properties and Changes of Materials |
| **Year 6** | * Can they take accurate, precise and repeated measurements in standard units, using a range of chosen equipment? * Can they choose an appropriate approach to recording accurate results, including diagrams, classification keys, tables and graphs, linking to mathematical knowledge? * Do they know to repeat readings if they spot an anomaly in results? | **PLAN Units:**  Animals, including humans  Light  Electricity | NC Aspects:  Animals, including humans  Light  Electricity |