**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:**RocksAnimals, including humansPlantsLightForces and magnets | NC Aspects:RocksAnimals, including humansPlantsLightForces 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 humansStates of matterSoundElectricity | NC Aspects:Animals including humansStates of matterSoundElectricity |
| **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 habitatsForces 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 humansLightElectricity | NC Aspects:Animals, including humansLightElectricity |