Science Curriculum Overview: Working Scientifically

**YEAR 4**

*These objectives should be covered repetitively throughout each topic – not as an isolated topic.*

| **Planning, communication and sources** | |
|---|---|
| | • Record observations systematically |
| | • Use appropriate scientific language and conventions to communicate quantitative and qualitative data |
| | • Select a range of appropriate sources of information including books, internet and CD Rom |

| **Enquiring, testing, obtaining and presenting evidence** | |
|---|---|
| | • Use previous knowledge and experience combined with experimental evidence to provide scientific explanations |
| | • Recognise the key factors to be considered in carrying out a fair test |

| **Observing and recording** | |
|---|---|
| | • Make a series of observations, comparisons and measurements with increasing precision |
| | • Select apparatus for a range of tasks |
| | • Plan to use apparatus effectively |
| | • Begin to make repeat observations and measurements systematically |

| **Considering evidence and evaluating** | |
|---|---|
| | • Make predictions based on their scientific knowledge and understanding |
| | • Draw conclusions that are consistent with the evidence |
| | • Relate evidence to scientific knowledge and understanding |
| | • Offer simple explanations for any differences in their results |
| | • Make practical suggestions about how their working methods could be improved |