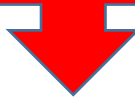



Progression of Key Concepts thread through Science – **Observation**


In Year 1, most pupils will examine objects to note key features, e.g. observe growth of plants they have planted. Some pupils will go further and examine carefully, e.g. using a hand lens.




In Year 2, most pupils will examine carefully, e.g. using a hand lens. Some pupils will exceed expectations and carefully observe and suggest useful measurements, e.g. examine a leaf and suggest measuring its length.




In Year 3, most pupils will use various equipment, as instructed, e.g. using a hand lens to examine rocks. Some pupils will go beyond expectations and use various equipment, as instructed, repeatedly and with care.



In Year 4, most pupils will use various equipment, as instructed, repeatedly and with care, e.g. thermometers. Some pupils will go beyond expectations and select and use various equipment repeatedly and with care, e.g. measuring jug to measure volume, and discuss alternatives.



In Year 5, most pupils will, following discussion of alternatives, select appropriate equipment, e.g. using a shadow stick and measuring length and angle of shadow. Some pupils will go further and use appropriate equipment, such as meter rule, to take measurements, such as distance travelled.



In Year 6, most pupils will use appropriate equipment, such as a meter rule, to take measurements, such as distance travelled by light. Some pupils will exceed expectations and recognise limitations of available equipment, e.g. accuracy of balance.

