Y3 Science Knowledge Organiser – Working Scientifically

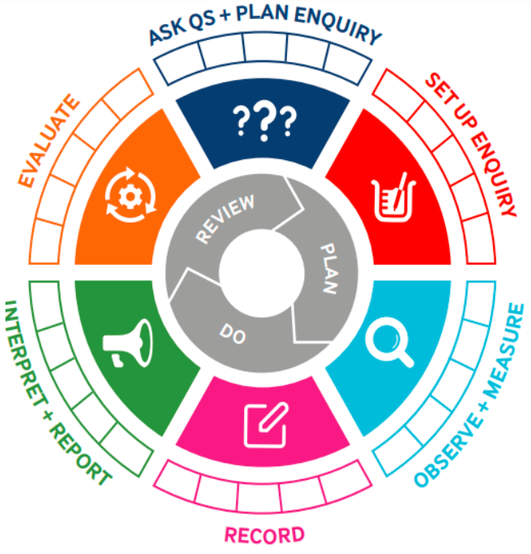
Vocabulary

Enquiry	To look at something, noting any changes
Prediction	Using what you know to suggest what may happen on the future
Systematic	Something that is planned out and careful
Reaction	A change which can be seen i.e. temperature or colour
Evaluation	To consider the quality of the results and suggest improvements to the investigation
Data	Information collected such as facts, observations or numbers
Conclusion	What has been found out during an investigation



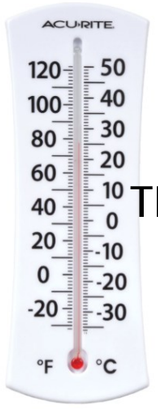
Measuring cylinder

Working Scientifically Skills





Data Logger



Thermometer

Experiment variables

- **independent variable** (what will change) – the type of soil, such as sandy, clay, chalky and peat soil



- **dependent variable** (what will be measured) – the volume of water entering the measuring cylinder



- **controlled variable** (what is kept the same) – the mass of the soil used in the experiment, the type of filter paper, the amount of water added to each soil sample



Types of Scientific Enquiry

