

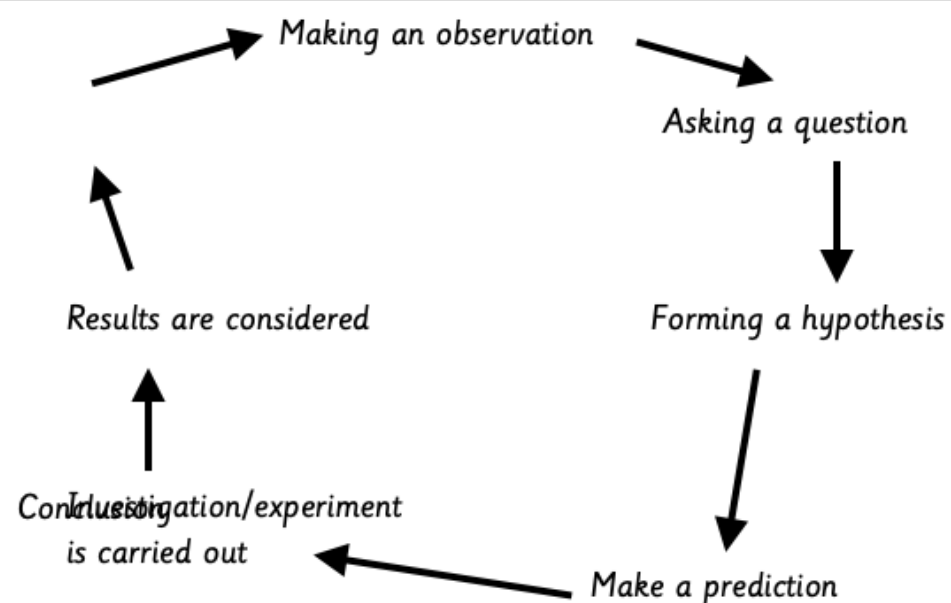


Year 5 - The Scientific Method

Key vocabulary

hypothesis	A proposed explanation made on the basis of limited observations as a starting point for further investigation.
variable	An element, feature, or factor that is liable to vary or change.
data	Facts and statistics collected together for reference or analysis.
measuring cylinders	A container used to measure volumes of liquid.
volume	The amount of space that a substance or object occupies, or that is enclosed within a container.
pipette	A slender tube attached to or incorporating a bulb, for transferring or measuring out small quantities of liquid
data logger	Electronic devices which automatically monitor and record environmental parameters over time
accurate	Correct in all details; exact
average	A number expressing the central or typical value in a set of data, in particular the mode, median, or (most commonly) the mean
precise	Marked by exactness and accuracy of expression or detail.

The Scientific Process



Additional Science Opportunities

Types of Variables

Controlled variable	Anything that is held constant or limited in a research study. It is anything that is not of interest to the study's aims
Dependent variable	The variable that is being measured or tested in an experiment
Independent variable	The variable the experimenter manipulates or changes and is assumed to directly affect the dependent variable. This variable changes during an investigation.

