

Types of Scientific Enquiry

1		Fair Testing	Changing <u>one</u> variable to see its effect on another, while keeping all others the same.
2		Observing over time	Observing changes that happen over a period of time ranging from minutes to months.
3		Identifying, classifying & grouping	Making observations to name, sort and organise items.
4		Pattern seeking	Finding patterns and looking for relationships in enquiries where variables are difficult to control.
5		Research	Using secondary sources of information to answer scientific questions.

Variables

1	What is a variable?	Anything that can or will be changed during an investigation.
2	Independent Variable	<u>One</u> thing that you change
3	Dependent Variable	things we will measure or focus on
4	Controlled Variable	things that must stay the same

Scientific Enquiry Skills

1		Asking scientific questions	6		Presenting results
2		Planning an enquiry	7		Interpreting results
3		Observing closely	8		Drawing conclusions
4		Taking measurements	9		Making predictions
5		Gathering and recording results	10		Evaluating an enquiry