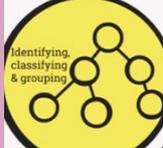


Learning Objectives

Composite Learning Skills
National Curriculum Requirements

Working Scientifically KS1

General/Asking questions	Observing changes over time	Comparative and fair tests	Identifying and classifying	Looking for naturally occurring patterns and relationships	Researching using secondary sources
					
Demonstrate curiosity, e.g. ask 'why?' or 'how?' about the world around them.	Understand that we can gather information about the world through our senses.	When prompted, say what is happening/has happened to things or events.	Sort and match objects and living things in their own way.	Notice what has changed when observing things or events.	Use simple secondary sources, e.g. books, film, internet, to find information.
Understand the concept of 'a question'.	Understand that observation involves all of the senses.	With help, make changes and say what has changed.	Sort and group objects and living things in different ways.	Talk about what they have found out or what they think may happen.	Use information from secondary sources to help answer a question.
Be able to ask a question.	Use simple equipment provided, e.g. hand lenses, to make more accurate observations.	Be able to compare features of two objects.	Recognise similarities and differences.	Begin to recognise links between observations and answers to questions.	Be able to record their findings in charts.
Be able to suggest one way of finding an answer to a question.	Recognise that some observable features may change over time, e.g. the size of a plant.	Be able to identify two variables in an investigation, e.g. water and light when investigating plant growth.	Use simple observable features to compare objects or living things.	With help, begin to notice patterns and relationships.	Gathering and recording data to help in answering questions.
Understand that some questions can be answered by testing.	Observing closely, using simple equipment.	Suggest a practical way to find something out.	Be able to describe how they sorted objects.	Begin to use simple scientific language to talk about what they have found out.	Make some independent choices about appropriate ways to record data.
With help, identify evidence that can be used to answer questions.	Use a range of equipment correctly to observe and measure.	Be able to identify things to measure and things to observe.	Use observable features of objects to identify them.	Be able to communicate their ideas to a range of audiences in a variety of ways.	Select the best way of presenting information from a range of options.
Present evidence they have collected in simple tables, charts or diagrams.	Be able to select appropriate equipment to observe.	Be able to set up a comparative test.	Identifying and classifying.	Using their observations and ideas to suggest answers to questions.	
Asking simple questions and recognising that they can be answered in different ways.		Performing simple tests.	Begin to classify and identify by linking observable features to already known objects or things.	Use evidence to suggest answers to questions and make predictions.	
Be able to suggest more than one way of finding an answer to a question, e.g. by research, by testing.		Start to recognise when a test is not fair and suggest improvements.	Explain which observable features have led them to classify in a particular way.	Say whether what happened was what they expected.	
Suggest 'testable questions' that can be answered in classroom investigations.					