

Science Skills Coverage-Substances, matter and materials

Skill	Y3	Y4	Y5	Y6
Identification of materials	Identify names of rocks and soil. Describing how fossils are formed	Identification of water changes state- using correct terminology. Relating this to the water cycle.	Identify a wide range of reversible and irreversible changes in everyday life.	Identify plants that have survived on Earth for millions of years and how we know this.
Classification	Classifying/grouping rocks according to physical properties and appearance. Investigate the physical properties of one or a number of rock types and relate their properties to their appearance.	Classifying liquid, solids and gasses. Describe the properties of solids, liquids and gasses.	Classifying/group mixtures for how they can be separated. Describe physical properties including transparency, conductivity, solubility and magnetism. Providing evidence and reasons why a material may be chosen.	Revision of previous year groups.
Enquiry	Suggest reasons why certain rocks or stones are used for a specific purpose. Explain the terms weathering and erosion	Describe a material whose use can change as its state changes. Explain the effect of heating and cooling on	Describe what happens when a solute dissolves in a solvent to form a solution.	

	and describe the effect they have on different types of rocks/soils.	a range of substances.		
Presenting data	Compare in details a range of rock or soil samples from the locality, using simple tables and diagrams to present their findings.	Measure or research the temperate at which materials change state.	Compare reversible with irreversible change, using flow diagrams /equations to show which materials are added/ what is made and indicating if the reaction can be reversed.	