

KS1 Science Cycle A

Scientific Enquiry	<p>SE1: Explore the world around them and raise their own simple questions.</p> <p>SE2: Experience different types of science enquires, including practical activities.</p> <p>SE3: Being to recognise different ways in which they might answer scientific questions.</p> <p>SE4: Carry out simple tests.</p> <p>SE5: Use simple features to compare objects, materials and living things and, with help, decide how to sort and group them (identifying and classifying).</p> <p>SE6: Ask people questions and use simple secondary sources to find answers.</p> <p>SE7: Observe closely using simple equipment with help, observe changes over time.</p> <p>SE8: With guidance, they should begin to notice patterns and relationships.</p> <p>SE9: Use simple measurements and equipment (e.g. hand lenses, egg timers) to gather data.</p> <p>SE10: Record simple data.</p> <p>SE11: Use their observations and idea to suggest answers to questions.</p> <p>SE12: Talk about what they have found out and how they found it out.</p> <p>SE13: With help, they should record and communicate their findings in a range of ways and begin to use simple scientific language.</p>
Chemistry	<p>Materials</p> <p>C1: Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p> <p>C2: Distinguish between an object and the material from which it is made</p> <p>C4: Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</p> <p>C5: Describe the simple physical properties of a variety of everyday materials</p> <p>C6: Observe changes across the four seasons <i>e.g. what clothes would you wear in each season or make something out of e.g. sledge, sunglasses (focus on a different material for investigations in each cycle e.g. paper one year and water another)</i></p>
Biology	<p>Plants</p> <p>B1: Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees (look at trees through seasons)</p> <p>B2: Identify and describe the basic structure of a variety of common flowering plants, including trees.</p> <p>B3: Observe changes across the four seasons with plants each term.</p> <p>Animals including humans</p> <p>B4: Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</p> <p>B5: Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</p> <p>B6: Explore and compare the differences between things that are living, dead, and things that have never been alive</p> <p>B7: Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</p> <p>Seasons</p> <p>B8: Observe and describe weather associated with the seasons and how day length varies (and how this affects animals and environments)</p>