

# Lowe's Wong Infant School Science Progression Document



Key Areas	EYFS	Year 1	Year 2
<b>Working Scientifically</b>	<p>Know that observation is a key skill of a scientist.</p> <p>Know that comparisons can be made through observation. Know that we can investigate different areas of science practically.</p> <p>Know that objects, materials and living things can be explored scientifically.</p> <p>Know that patterns exist within scientific phenomena.</p> <p>Know that questions can be asked to find answers.</p>	<p>Know that changes can be recorded through observation.</p> <p>Know that observations can be made using simple equipment.</p> <p>Know that simple tests can be carried out with support.</p> <p>Know that predictions can be made and the results can be discussed after.</p> <p>Know that living and non-living things can be classified and compared.</p> <p>Know that patterns can be identified within scientific phenomena.</p> <p>Know that simple secondary sources can be used to find answers.</p>	<p>Know that equipment can be selected to observe change over time.</p> <p>Know that observations can be measured and recorded.</p> <p>Know that simple tests can be carried out independently. Know that some things will change and some things will stay the same.</p> <p>Know that explanations can be made based on what has happened during an investigation.</p> <p>Know that living and non-living things can be classified and compared through methods of sorting and grouping.</p> <p>Know that relationships can be identified within scientific phenomena.</p> <p>Know that questions can be answered in different ways.</p>
<b>Plants</b>	<p>Know that plants grow and are usually green.</p> <p>Know that plants change as they grow.</p>	<p>Know that plants can grow in different places.</p> <p>Know that there are deciduous and evergreen trees.</p>	<p>Know that plants grow from seeds and bulbs.</p> <p>Know that plants grow and mature.</p>

	<p>Know the name of some plants (grass, daisy, holly, daffodils)</p> <p>Know that we use plants for food.</p>	<p>Know the name of some plants (rose dandelion, buttercup, sunflower, grass, clover, nettle, ivy, silver birch, sycamore, beech, horse chestnut, pine, yew)</p> <p>Know that flowering plants and trees have a basic structure (including stem, petal, roots, leaves, roots, trunk, branches, leaves.)</p>	<p>Know that plants need water, light and suitable temperature to grow and stay healthy.</p>
<p><b>Animals including humans</b></p>	<p>Know that changes occur when animals grow.</p> <p>Know that there are basic parts of the human body.</p>	<p>Know that there are a variety of different common animals and there are differences between them.</p> <p>Know that there are basic parts of the human body and which body part is associated with each sense.</p> <p>Know that there are differences between carnivores, herbivores and omnivores.</p> <p>.</p>	<p>Know that animals, including humans, have offspring which grow into adults.</p> <p>Know that humans and animals have basic needs for survival.</p> <p>Know that exercise is important for humans.</p> <p>Know that hygiene is important for humans.</p> <p>Know that eating the right amounts of different types of foods is important.</p>
<p><b>Living things and their habitats</b></p>	<p>Know that living things have similarities and differences.</p> <p>Know that the features of their own immediate environment might vary from one another.</p>		<p>Know that something that is living, dead or never been alive has different characteristics.</p> <p>Know that different habitats provide for different needs including microhabitats.</p> <p>Know that animals and plants depend on each other.</p> <p>Know that animals obtain their food from plants and other animals.</p>

			Know that a food chain can show about different sources of food.
<b>Seasonal Changes</b>	Understand some important processes and changes in the natural world around them, including the seasons.	Know that the weather and environment changes across the four seasons.  Know that day length varies.	
<b>Use of everyday Materials</b>	Know that there are similarities and differences in relation to materials and objects.  Know that some solids melt. Know that some liquids freeze.  Know that some things feel warm and others feel cold.	Know that there is a difference between an object and the material from which it is made.  Know that there are a variety of different everyday materials, including wood, plastic, glass, metal, water and rock.  Know that everyday materials have varied physical properties and can be grouped using these.	Know that some materials including wood, metal, plastic, glass, brick, rock, paper and cardboard are more suitable for a specific task than others.  Know that the shape of solid objects from some materials can be changed by squashing, bending, twisting and stretching.
<b>Key Vocabulary</b>	Investigate, question, answer, look, observe, pattern, sort, group, name, grow, change, same, different, leg, arm, hand, finger, thumb, shoulder, head, foot, knee, toe, bottom, tummy, chest, Season, Summer, Winter, Autumn, Spring, solid, melt, liquid, freeze	Observe, equipment, record, diagram, chart, identify, Stem, petal, roots, leaf Trunk, branches, 5 common flower names, 5 common tree names, deciduous , evergreen, fish, amphibians, reptiles, birds, mammals, carnivores, herbivore, omnivore, senses: tongue – taste, nose – smell, eyes – vision/ sight, skin – touch ears – hearing, hard-soft, stretchy-stiff, shiny-dull, rough-smooth, bendy-not bendy, waterproof – not waterproof, absorbent-not absorbent, Sun, rain, wind, hail, snow, sleet, fog, hot, warm, cold	Predict, fair test, contrast, classify, relationship, data, millimetres, centimeters, meters, milliliters, liters, grams kilograms, temperature, nutrients, grow, healthy, reproduction, germination, offspring, grow, adults, reproduce, nutrition, baby-toddler-child-teenager-adult, survival, hygiene, healthy, squashing, bending, twisting, stretching, force, permanent change, temporary change, living, dead, never alive, habitats, micro habitats, food, food chain, predator, prey,