



'Go and do Likewise' Luke 10:25, -37 The Parable of the Good Samaritan  
We live with love and compassion, seeking help in times of need

**Curriculum Map: Science Year 2**

	<b>Plants</b>	<b>Use of Everyday Materials</b>	<b>Animals including humans 1 – health and survival</b>	<b>Animals including Humans 2 – Life cycles</b>	<b>Living things and their habitats</b>	<b>Living things and their habitats – habitats from around the world</b>
<b>Content</b> Declarative Knowledge 'I know'	<ul style="list-style-type: none"> <li>* Know the difference between seeds and bulbs.</li> <li>* Describe what plants need to grow and stay healthy.</li> <li>* Describe the life cycle of a plant.</li> <li>* Understand the plants adapt to suit their environment.</li> </ul>	<ul style="list-style-type: none"> <li>*identify and compare the suitability of a variety of everyday materials</li> <li>*find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<ul style="list-style-type: none"> <li>*describe the needs of animals for survival</li> <li>*describe the needs of humans for survival</li> <li>* explore the importance of eating the right food</li> <li>*describe what a healthy, balanced diet looks like</li> <li>*investigate the impact of exercise on our bodies</li> <li>*investigate the importance of hygiene</li> </ul>	<ul style="list-style-type: none"> <li>*order the stages of the human life cycle</li> <li>* Describe the stages of a human life cycle.</li> <li>* Identify the offspring and parent of an animal.</li> <li>* Explore the life cycle of a chicken.</li> <li>* Describe the life cycle of a butterfly.</li> <li>* Explore the life cycle of a frog.</li> </ul>	<ul style="list-style-type: none"> <li>*explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>* Identify a name a variety of plants and animals in a micro habitat.</li> <li>* Find out What animals eat to survive in their habitats.</li> <li>* Understand the food chain.</li> <li>* Understand the journey food makes from the farm to the supermarket.</li> </ul>	<ul style="list-style-type: none"> <li>* Name some different habitats.</li> <li>* Appreciate the environment are constantly changing</li> <li>* Explore the rainforest and its problems.</li> <li>* Describe life in the ocean.</li> <li>* Discover the Arctic and Antarctic habitat.</li> </ul>
<b>Skills</b> Procedural Knowledge	<ul style="list-style-type: none"> <li>* identify and classify.</li> </ul>	<ul style="list-style-type: none"> <li>* Perform simple tests.</li> </ul>	<ul style="list-style-type: none"> <li>*use their observations and</li> </ul>	<ul style="list-style-type: none"> <li>* Identify and classify.</li> <li>* Use their observations and</li> </ul>	<ul style="list-style-type: none"> <li>* Identify and classify</li> </ul>	<ul style="list-style-type: none"> <li>* Identify and classify.</li> <li>* Use their observations and</li> </ul>

<p>'I know how to'</p>	<p>*Observe closely using simple equipment. * Ask simple questions and recognise that they can be answered in different ways. *perform simple tests *use their observations and ideas to suggest answers to questions *gather and record data to help in answering questions</p>	<p>* Gather and record data to help in answering questions. * Use their observations and ideas to suggest answers to questions.</p>	<p>ideas to suggest answers to questions *identify and classify *perform simple tests</p>	<p>ideas to suggest answers to questions. * Gather and record data to help in answering questions. * Ask simple questions and recognise that they can be answered in different ways.</p>	<p>* Observed closely using simple equipment. * Use their observations and ideas to suggest answers to questions. * Ask simple questions and recognise that they can be answered in different ways. * Gather and record data to help in answering questions.</p>	<p>ideas to suggest answers to questions. * Gather and record data to help in answering questions. * Ask simple questions and recognise that they can be answered in different ways.</p>
<p><b>Vocabulary</b></p>	<p>seeds, bulbs, growth, plant, compare, predict investigate, control, experiment, method, photosynthesis, carbon dioxide, oxygen, glucose, energy, pollination, life cycle, germination, reproduction, seedling, manure, crop, insulate, thrive, healthy, forest, desert, adapt, condition, survive</p>	<p>Material, property, suitable, object, brake, bridge, triangle, obstacle, structure, construction, stretchy, elastic, floppy, hinder, met, bend, twist, squash, stretch, force, McIntosh, protective, fluorescent, safety, waterproof common John McAdam, merchant, bound, highway, road.</p>	<p>Survival, shelter, nutrition, oxygen, essential, Vital, Non essential, Survive, Grow, healthy, Protein, Carbohydrate, Dairy, Vitamins, Calcium, Fat, balanced diet, Nutrients, Fresh food, Precooked, processed food, exercise, strength, flexibility, balance, coordination, hygiene, prevent, germs, bacteria, virus.</p>	<p>Life cycle, grow, survive, independent, adult, foetus, room, helpless, toddler, develop, offspring, inherit, gene, resemble, differences, reproduction, hatchling, chick, bar chart, predict, caterpillar, transform, larva, chrysalis, metamorphoses, frog, amphibian, frogspawn, tadpole, froglet</p>	<p>Senses, Nutrition, reproduce common excrete, respire, habitat, microhabitat, fungi, survive, shelter, antennae, Suitable, condition, colony, insect, producer, consumer, herbivore, carnivore, omnivore, food chain, lifecycle, nutrients, raw, caterpillar, automated, frozen food, forklift truck, refrigerated lorry, canned</p>	<p>Habitat, micro habitat, Organism, environment, mate, rainforest, moisture, extinct, climate, endangered, biodiversity, deforestation, poaching, pollution, rainforest, plankton, ocean, ecosystem, coral reef, trench, Antarctic, Arctic, Caribou, narwhal, tundra, earthworm, desert, Lizard, cactus, pond.</p>

<b>Key Questions</b>	How and why do plants and different species grow? Why do different species grow differently?	Why are materials different? Can a material change shape?	What do we need to stay healthy and strong? Do humans grow the same as plants or animals?	Do all animals grow the same way? What do you know about how this animal changes as it grows? Do all animals need the same things to survive?	What makes something living? What is a food chain? How does the food get from a farm to a supermarket?	What are some of the different habitats in the world? What is like to live in the Ocean? What problems are the rainforests facing?
<b>Assessment</b>	Assessment on Insight every term as well as lesson by lesson observations based on knowledge, skills and key questions outlined above Peer and self-assessment opportunities Option to use Developing Experts End of Block assessments at teacher's discretion					
<b>Cross Curricular Links/Character Education</b>	Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together	Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together	Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together PE – investigation into the effects of exercise	Geography – links to habitats around the world Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together PSHE – changing me	Geography – links to habitats around the world Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together	Geography – links to habitats around the world Spiritual – learning about the world around them and reflecting on experiences. Social – cooperating and working together