

### Science Long Term Plan (2023-2024)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nur	<p><b>ILP: Me &amp; My Community – Exploring Autumn</b></p> <p>Explore the natural world, plants and animals in the local environment. features of woodland animals; how wild animals differ from pets. seasons, seasonal changes and weather</p>	<p><b>ILP: Once Upon a Time – Sparkle &amp; Shine</b></p> <p>Introduced to everyday materials, exploring properties of materials and sorting them into groups.</p>	<p><b>ILP: Starry Night – Winter Wonderland</b></p> <p>Nocturnal animals and their features. Develop understanding of everyday materials and properties. Explore shadows - how they are made and change size.</p> <p>Learn what animals need to grow and survive and how to care for those in the local environment - introduced to melting and freezing.</p>	<p><b>ILP: Dangerous Dinosaurs – Puddles &amp; Rainbows</b></p> <p>Seasonal changes - explore what plants need to grow and survive; develop understanding of properties and materials, including waterproof materials.</p>	<p><b>ILP: Sunshine &amp; Sunflowers – Shadows &amp; Reflections</b></p> <p>Features of a plant (seed, leaf, stem, root, petal). Revisit what plants and animals need to grow and survive. Features of insects; growth and decay.</p> <p>Revisit shadows, light, and reflections. Investigate how shadows change throughout the day.</p>	<p><b>ILP: Big Wide World - Splash</b></p> <p>Identify common features of animals. Introduction to the term habitat and explore habitats worldwide.</p> <p>Floating and sinking, describe, predict and investigate objects that float and sink. Develop scientific knowledge of freezing and melting</p>
Rec	<p><b>ILP: Let's Explore</b></p> <p>Explore local environment to find out about living things and the places in which they live. - Introduced to</p>	<p><b>ILP: Marvellous Machines</b></p> <p>Explore battery operated toys. Properties of materials, including magnetism - conducts tests and explain the results using language such as because, then and next.</p>	<p><b>ILP: What Happens When We Go to Sleep</b></p> <p>Weather changes; explore life cycle of frogs and chickens; floating and sinking; changes in food - the effect of decay</p>	<p><b>ILP: Ready Steady Grow!</b></p> <p>Plant seeds and explore what they need to grow; name and label parts of a plant; match farm animals to their babies</p>	<p><b>ILP: Animal Safari Pets &amp; vets</b></p> <p>Features of domestic and wild animals. Identifying body parts of common animals. Match animals to their young.</p>	<p><b>ILP: On the Beach</b></p> <p>Compare environments. Name a variety of domestic and wild animals. Match animals to the foods they eat.</p>

	language related to senses.	-use equipment to measure how far toys vehicles travel down a ramp.				
Year 1	<p><b>ILP: The Mysterious Woodlands</b></p> <p>Plants and animals; Identifying and classifying</p>	<p><b>ILP: Dinosaur Planet</b></p> <p>Plants and animals</p>	<p><b>ILP: Moon Zoom</b></p> <p>Properties of everyday materials; Working scientifically</p>	<p><b>ILP: Bright Lights, Big City</b></p> <p>Everyday materials; Working scientifically.</p> <p><b>Companion Project:</b> How do leaves change?</p>	<p><b>ILP: Memory Box</b></p> <p>Animals, including humans – parts and senses; Working scientifically.</p> <p><b>Companion Project:</b> What can our hands do?</p>	<p><b>ILP: Splendid Skies</b></p> <p>Seasonal changes</p>
Year 2	<p><b>ILP: Bounce</b></p> <p>Materials – floating and sinking; The importance of exercise.</p>	<p><b>ILP: Wriggle &amp; Crawl</b></p> <p>Living things and their habitats; Animals, including humans; Working scientifically</p> <p><b>Companion Project:</b> Where do snails live?</p>	<p><b>ILP: Muck, Mess &amp; Mixtures</b></p> <p>Everyday materials; Working scientifically.</p> <p><b>Companion Project:</b> Will it degrade?</p>	<p><b>ILP: Towers, Tunnels &amp; Turrets</b></p> <p>Living things and their habitats; Use of everyday materials; Working scientifically</p>	<p><b>ILP: Street Detectives</b></p> <p>Identifying and comparing everyday materials; Identifying plants in the local area</p> <p><b>Companion Project:</b> How do germs spread?</p>	<p><b>ILP: The Scented Garden</b></p> <p>Plants</p>
Year 3	<p><b>ILP: Predator!</b></p> <p>Food chains; Fossils; Skeletal systems; Working scientifically</p>	<p><b>ILP: Scrumdiddlyumptious!</b></p> <p>Nutrition</p> <p><b>Companion Project:</b> Why do shadows change?</p>	<p><b>ILP: Mighty Metals</b></p> <p>Forces and magnets; Working scientifically</p> <p><b>Companion Project</b> Why do cat's eyes glow at night?</p>	<p><b>ILP: Tribal Tales</b></p> <p>Plants; Light; Working scientifically</p>	<p><b>ILP: Flow</b></p> <p>Soil; Aquatic plants; Working scientifically</p>	<p><b>ILP: Tremors</b></p> <p>Rocks</p> <p><b>Companion Project:</b> What are flowers for?</p>

	<b>Companion Project:</b> What are sunglasses for?					
Year 4	<b>ILP: Traders and Raiders</b> Grouping & Classifying living things	<b>ILP: Digest This!</b> Teeth types; Tooth decay and hygiene; The digestive system; Working scientifically  <b>Companion Project:</b> What is spit for?	<b>ILP: Marvellous Medicine</b>  States of matter  <b>Companion Project:</b> How far can sound travel?	<b>ILP: Misty Mountain Sierra</b>  States of matter; Working scientifically  <b>Companion Project:</b> How can we change a sound?	<b>ILP: Blue Abyss</b>  Living things and their habitats; Animals, including humans; Working scientifically  <b>Companion Project:</b> Can we block sound?	<b>ILP: Road Trip USA!</b>  Electricity
Year 5	<b>ILP: Scream Machine</b> Forces; Properties of everyday materials; Mechanisms; Working scientifically	<b>ILP: Stargazers</b>  Earth and space; Forces; Working scientifically  <b>Companion Project:</b> Earth & Space	<b>ILP: Alchemy Island</b>  <b>Changing materials</b> Soluble solutions Separation Solutions The chemistry of cooking Oxidation Sensation The chemistry kitchen	<b>ILP: Ground-breaking Greeks</b>  <b>Companion Project:</b> Properties and Changes of Materials  Properties of materials Including Food prep	<b>ILP: Allotment</b>  Plant reproduction and life cycles; Life cycles of mammals, amphibians, insects and birds; Working scientifically	<b>ILP: Time Traveller</b>  Animals (including humans); Living things and their habitats; Working scientifically
Year 6	<b>ILP: Blood Heart</b>  Human circulatory system; Measuring heart rate; History of blood groups; Lifestyle effects; Working scientifically	<b>ILP: A Child's War</b>  <b>Companion Project:</b> Electrical Circuits & Components	<b>ILP: Frozen Kingdom</b>  Living things and their habitats	<b>ILP: Tomorrow's World</b>  Light; Electricity <b>Companion Project:</b> Light Theory	<b>ILP: Revolution</b>  Electricity	<b>ILP: ID</b>  Classification; Families and inheritance; Working scientifically <b>Companion Project:</b> Evolution & Inheritance

