

## Long Term Plan for Science 2023-2024

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Owl</b>	<b>Parts of the body Senses</b>	<b>Light and Dark</b>	<b>Observation &amp; Investigation skills</b>	<b>Materials</b>	<b>Mini-beasts and their habitats Life Cycles</b>	<b>Floating and sinking</b>
<b>Osprey</b>	<b>Everyday Materials</b> Describe properties and sorting	<b>Seasonal Changes</b> Describe differences	<b>No Set Unit</b>	<b>Animals Including Humans</b> Humans - Body parts/senses	<b>Animals Including Humans</b> Animals - Identify, describe, compare	<b>Plants</b> Name Plants, plant Parts and basic structure
<b>Falcon</b>	<b>Uses of Everyday Materials</b> Identify, compare and uses. Squash, bend, twist, stretch.	<b>No Set Unit</b>	<b>Animals Including Humans</b> Humans - Life cycles, needs and survival, importance of healthy lifestyle	<b>No Set Unit</b>	<b>Plants</b> Conditions needed for healthy growth.	<b>Living Things and their Habitats</b>
<b>Kestrel</b>	<b>Animals Including Humans</b> Nutrition, skeletons and muscles	<b>Light</b> Light & dark, reflective surfaces, sunlight, shadows and patterns	<b>Forces and Magnets</b> Friction, attract & repel, materials and poles	<b>No Set Unit</b>	<b>Plants</b> Functions, life cycle, requirements for life & growth and pollination	<b>Rocks</b> Rock types, physical properties, fossils, rocks and soils
<b>Merlin and Raven</b>	<b>Living Things and their Habitats</b> Classification and keys; environmental impact and the wider environment; food chains; predators and prey.	<b>Electricity</b> Build a simple circuit; conductors and insulators.	<b>States of Matter</b> Solids, liquids and gasses; change of state (temperature); evaporation and condensation.	<b>Sound</b> How sounds are made; patterns in pitch, volume and distance.	<b>No Set Unit</b>	<b>Animals Including Humans</b> Digestion and teeth
<b>Hawk</b>	<b>Animals Including Humans</b> Changes as humans develop to old age.	<b>Earth and Space</b> Movement of planets relative to the sun and Earth relative to the moon. Day and night.	<b>Properties &amp; Changes of Materials</b> Solids, liquids & gasses, Properties and links to electrical, thermal and magnetic response. Separation through sieving, filtering and evaporating. Reversible and irreversible changes. Irreversible formation of new materials.		<b>All Living Thing &amp; Their Habitats</b> Differences in lifecycles of mammals, amphibians, insects and birds. Reproduction in plants and animals.	<b>Forces</b> Gravity, air resistance, water resistance, friction and mechanisms.
<b>Eagle</b>	<b>Light</b> Properties of light and how we see, shadows.	<b>Electricity</b> Voltage, variations, effects on how components function and use of symbols in simple circuit diagrams.	<b>No Set Unit</b>	<b>.Evolution and Inheritance</b> Fossils, offspring and their parents, animal and plant adaptations - evolution	<b>Living Things and Their Habitats</b> Classification, vertebrate and invertebrates, micro-organism.	<b>Animals Including Humans</b> Circulatory system, lifestyle and nutrients.