

LAYER SCHOOL CURRICULUM 2017-18

SCIENCE

AUTUMN

SPRING

SUMMER

<p>Year 1</p>	<p><u>Who am I?</u> Animals, incl humans; parts of body; identifying and describing common mammals, fish, birds & reptiles <u>Celebrations:</u> Everyday materials; identifying describing & comparing everyday materials <u>Seasonal Changes</u></p>	<p><u>Polar Adventure and Treasure Island</u> <u>Materials:</u> comparing, grouping based on physical properties; describing <u>Animals:</u> identifying and name variety of common animals <u>Seasonal Changes</u></p>	<p><u>Safari</u> <u>Animals, including humans:</u> Identify and name invertebrates (bug hunt) <u>Holiday:</u> <u>Materials:</u> Describing/classifying properties of everyday materials <u>Animals:</u> common animals, including form and function <u>Seasonal changes</u></p>
<p>Year 2</p>	<p><u>Healthy Me!</u> <u>Animals including humans</u> importance for humans of exercise, eating the right amounts of different food, and hygiene <u>Material Monster</u> <u>Everyday materials:</u> Identify and compare the suitability of a variety of everyday materials for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</p>	<p><u>Young Gardener</u> <u>Plants</u> describe how plants need water, light and a suitable temp to grow & stay healthy. Observe and describe how seeds and bulbs grow into mature plants. <u>Move It</u> <u>Use of everyday materials</u> To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</p>	<p><u>Little Masterchef:</u> <u>Animals including humans</u> importance for humans of exercise, eating the right amounts of different food, and hygiene <u>Materials</u> Everyday materials for particular purposes. Exploring & comparing differences between living, dead and never lived</p>
<p>Year 3</p>	<p><u>Animals, incl humans:</u> food and nutrition; skeleton and muscles <u>Rocks:</u> identifying, describing & comparing properties. Role of rocks in soil</p>	<p><u>Light:</u> reflection, shadow and uses/types of mirrors <u>Plants:</u> parts of functioning plants, parts of flower, requirements for growth; water transportation; seeding and pollination</p>	<p><u>Forces & magnets:</u> magnetism (poles) Magnetic forces <u>Super Astronauts</u> (focus on scientific skills)</p>
<p>Year 4</p>	<p><u>Electricity:</u> making circuits; switches, conductors/insulators <u>Animals - humans:</u> teeth; digestive system <u>Sound:</u> As vibrations; pitch & volume</p>	<p><u>Animals (non human):</u> classification; food chains; properties of animals; habitats</p>	<p><u>Living things:</u> classification keys, changes to environment <u>States of matter:</u> solids, liquids, gases; temperature scale; Water cycle (nb geography cross curr link)</p>

<p>Year 5</p>	<p><u>Earth and Space</u>: Night and day, the solar system <u>Properties of materials</u>: separating materials, reversible/irreversible</p>	<p><u>Forces</u>: Gravity, air/water resistance, friction <u>Animals, incl humans</u>: life cycles of animals & humans changes</p>	<p><u>Living things</u>: life processes, reproduction in plants <u>Properties of materials</u>: reversible/irreversible changes</p>
<p>Year 6</p>	<p><u>Light</u>: reflection, shadows <u>Electricity</u>: variations in how components function, circuitry symbols</p>	<p><u>Animals, incl humans</u>: circulatory system <u>Animals, incl humans</u>: impact of diet, exercise, drugs & lifestyle</p>	<p><u>Living things/ evolution & inheritance</u>: classifying living things; adaption, fossils <u>Evolution & inheritance</u>: adaption & evolution</p>