

Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p>Week 1</p> <p>To know my body has many different parts.</p> <p>Science Investigation – how can we use our sense of hearing to identify sounds outdoors?</p> <p>To know that my body can do amazing things.</p> <p>Sort body parts that are internal and external.</p> <p>To know that humans change over time.</p> <p>To know that families grow and change over time.</p> <p>Week 6</p> <p>To know that there are different types of dinosaurs and they can be grouped according to their habitat and diet.</p> <p>Sort dinosaurs by diet</p>	<p>Week 3</p> <p>To know that George Stephenson designed a steam rocket.</p> <p>To know that The Wright Brothers invented the plane.</p> <p>Science investigation – ask the Wright Brothers about their invention.</p> <p>Week 4</p> <p>To know that the North and South Pole are very cold places on Earth.</p> <p>To know that travelling in the coldest places on Earth can be challenging.</p> <p>Week 5</p> <p>To know that Ernest Shackleton was an explorer who travelled to Antarctica.</p> <p>Week 7</p> <p>To know that many moving toys have wheels.</p> <p>To know that we can use an axle to help our wheels to turn.</p> <p>Science investigation – Which material allows the vehicle to travel the furthest?</p>	<p>Week 1</p> <p>To know that all animals have babies.</p> <p>To know that not all animal babies look like their parents.</p> <p>Sort animals into metamorphic and not</p> <p>Week 2</p> <p>To know that some animals live on farms.</p> <p>To know that many farm animals are born in spring time.</p> <p>Week 3</p> <p>To know that many different animals live in woodlands.</p> <p>Science Investigation – How many bugs can you see in 5 minutes at the Forest?</p> <p>To know that we must protect these habitats.</p> <p>Week 4</p> <p>To know that many wild animals live around the world.</p> <p>To know that some animals are endangered and need protection.</p> <p>Week 5</p> <p>To know that some animals live in extremely cold places on Earth. Science Investigation – how does ice change?</p> <p>To know that people around the world are trying to protect animal homes.</p>	<p>Week 1</p> <p>To know that we live on Earth.</p> <p>To know that people who travel into space are called astronauts.</p> <p>Week 2</p> <p>To know that astronauts live and work on the International Space Station.</p> <p>To know there are planets in our solar system and they are all very different.</p> <p>Week 3</p> <p>To know that the stars we see in the sky are very far away.</p> <p>To know that people have told stories about the stars for many years.</p> <p>Week 4</p> <p>To know that astronauts have walked on the moon.</p> <p>To know that the Mars Rover is a robot that is exploring Mars. Science investigation – why does the Mars Rover have large wheels?</p>	<p>Week 2</p> <p>To know that plants need water and light to grow. Science Investigation – How does a runner bean grow overtime?</p> <p>To know that living things, such as plants, grow and change throughout the year.</p> <p>Science Investigation – How many flowers can you see in a given area of grass?</p> <p>Week 3</p> <p>To know that animals grow and change.</p> <p>To know that caterpillars change into Butterflies.</p> <p>Week 4</p> <p>To know that we can grow food to eat.</p> <p>To know that farmers harvest crops for us to eat.</p> <p>Week 5</p> <p>To know that we grow and change throughout our lives.</p>	<p>Week 1</p> <p>Introduction to Influential People.</p> <p>To know that Valentina Tereshkova went into space.</p> <p>Science Investigation - If you met Valentina Tereshkova, what would like you know? AI</p> <p>Week 2</p> <p>To know that Ernest Shackleton explored some of the coldest places on Earth.</p> <p>To know that Ernest Shackleton rescued his team from Antarctica.</p>
Year 1 -2 Year A	<p><b>The Human Body Y2</b></p> <ol style="list-style-type: none"> <li>1. Animals, including humans, survival and offspring</li> <li>2. The Skeletal System, The Muscular System and Exercise</li> <li>3. The Digestive system and Healthy Eating</li> <li>4. The Circulatory system</li> <li>5. Germs, diseases and preventing illness</li> </ol>	<p><b>Animals and their Needs Y1</b></p> <ol style="list-style-type: none"> <li>1. Amazing Animals (Introduction to Animals)</li> <li>2. Grouping animals: Fish, amphibians, reptiles, birds and mammals</li> <li>3. Grouping animals: carnivores, herbivores and omnivores</li> <li>4. Animals as pets</li> <li>5. Describing animals</li> </ol>	<p><b>Electricity</b></p> <ol style="list-style-type: none"> <li>1. Introduction to Electricity</li> <li>2. Safety</li> <li>3. Exploring Circuits (A)</li> <li>4. Exploring Circuits (B)</li> <li>5. Investigating Conductive and non-conductive materials</li> </ol>	<p><b>Plants Y1</b></p> <ol style="list-style-type: none"> <li>1. What plants need</li> <li>2. Parts of plants</li> <li>3. Seeds</li> <li>4. Deciduous and evergreen plants</li> <li>5. Plants we eat</li> </ol>	<p><b>Materials and Matter</b></p> <ol style="list-style-type: none"> <li>1. Materials and their uses</li> <li>2. George de Mestral and Velcro</li> <li>3. Matter under the microscope</li> <li>4. Changing Solid Objects</li> <li>5. Liquids and their properties</li> </ol>	<p><b>Materials and Magnets</b></p> <ol style="list-style-type: none"> <li>1. Everyday Materials</li> <li>2. Properties of Materials</li> <li>3. Uses of Materials</li> <li>4. Magnets</li> <li>5. Investigation</li> </ol>
Year 1 – 2 Year B	<p><b>The Human Body Y1 senses</b></p> <ol style="list-style-type: none"> <li>1. Introduction to Our Body and Our Senses</li> <li>2. Eyes and Sight</li> <li>3. Ears and Hearing</li> <li>4. Touch, taste and smell</li> <li>5. Understanding Sensory Impairment</li> </ol>	<p><b>Living Things and their environment Y2</b></p> <ol style="list-style-type: none"> <li>1. Dead or Alive</li> <li>2. What is a habitat?</li> <li>3. Rainforest and Desert habitats</li> <li>4. Meadow habitats</li> <li>5. Underground habitats</li> </ol>	<p><b>Seasons and Weather</b></p> <ol style="list-style-type: none"> <li>1. The four seasons</li> <li>2. Tools to record the weather</li> <li>3. Using a graph to show information about the weather</li> <li>4. Clouds and what they tell us: cirrus, cumulus and stratus</li> <li>5. Weather forecasting</li> <li>6. Extra lesson: Dangerous weather around the world</li> </ol>	<p><b>Taking Care of the Earth</b></p> <ol style="list-style-type: none"> <li>1. Taking Care of the Earth</li> <li>2. Earth’s Natural Resources</li> <li>3. Logging</li> <li>4. Pollution</li> <li>5. Recycling</li> </ol>	<p><b>Plants Y2</b></p> <ol style="list-style-type: none"> <li>1. Plants around us</li> <li>2. Seeds and bulbs</li> <li>3. Comparative test 1</li> <li>4. Comparative test 2</li> <li>5. Food and Farming</li> </ol>	<p><b>Astronomy</b></p> <ol style="list-style-type: none"> <li>1. Introduction to Astronomy</li> <li>2. Model the Solar System</li> <li>3. Orbit and Rotation</li> <li>4. The Moon and its Phases</li> <li>5. Constellations</li> </ol>

Year 3 – 4 Year A	<b>The Human Body</b> 1. Cells and Nutrients 2. Teeth and Senses 3. Digestion 4. A Healthy Diet 5. Vitamins and Minerals 6. Assessment	<b>Cycles in Nature</b> 1. The Four Seasons (prior learning) 2. Seasonal Cycles in Plants 3. Life Cycle of a Plant 4. Animal Migration 5. Life Cycle of a Frog 6. Assessment	<b>Light</b> 1. Light and Dark 2. Transparent and Opaque Surfaces 3. Mirrors and Reflection 4. Part 1—Shadows 5. Part 2—Finding Patterns in Changing Shadows 6. Assessment	<b>Plants</b> 1. Botany and Flowering Plants 2. Requirements for Life and Growth 3. Water Transportation in Plants 4. Pollination in Flowering Plants 5. Seed Dispersal 6. Assessment	<b>Rocks</b> 1. Sorting rocks 2. How Rocks are Formed 3. Permeability 4. Fossils 5. Soil 6. Assessment	<b>Forces and Magnets</b> 1. Forces (Gravity) 2. Friction 3. Magnet 4. Magnetic Poles and Fields 5. Investigating the strength of magnets 6. Assessment
Year 3 – 4 Year B	<b>The Human Body</b> 1. The Muscular System 2. The Skeletal System 3. The Nervous System 4. Preparing to Eat (Healthy Diet) 5. The Digestive System (Teeth) 6. Assessment	<b>Classification</b> 1. Introduction 2. Vertebrates: Fish and Amphibians 3. Vertebrates: Reptiles, Birds and Mammals 4. Invertebrates: Insects, Arachnids and Molluscs 5. Plants 6. Assessment	<b>Ecology</b> 1. Living Things and Habitats 2. Natural Cycles 3. Web of Living Things 4. Air Pollution 5. Ecology in our Local Areas 6. Assessment	<b>Sound</b> 1. What is sound? 2. Speed of sound 3. Qualities of sound—Pitch and Volume 4. Human Voice 5. Ears— How we Hear 6. Assessment	<b>States of Matter and The Water Cycle</b> 1. States of Matter 2. Evaporation 3. Condensation 4. Precipitation 5. The Water Cycle 6. Assessment: The Water Cycle	<b>Electricity</b> 1. Electrical Safety 2. Parts of a circuit 3. Switches 4. Thomas Edison and Lewis Latimer 5. Investigating conductive and non-conductive materials 6. Assessment
Year 5 – 6 Year A	<b>The Human Body</b> 1. Gestation and Infancy 2. Adolescence and Puberty 3. Slowing Down 4. Growth in Humans and Animals 5. Preparation for Assessment (research and scientific drawing) 6. Assessment Investigation- generate a question based on given weight and gestation period draw a line graph	<b>Materials</b> 1. Properties of materials 2. Which material is best? 3. Solubility- which materials are most soluble/what solubility means 4. Separating mixtures- sieving, filtering, evaporating 5. Reversible changes- dissolving, mixing, change of state 6. Assessment	<b>Living Things</b> Investigation- butterflies 1. Life Cycles of Plants and Animals in our Local Area 2. Reproduction in Plants 3. Life Cycles of Mammals and Amphibians 4. Life Cycles of Insects and Birds 5. The Work of David Attenborough and Jane Goodall 6. Assessment	<b>Forces</b> 1. Forces Including Gravity 2. Air Resistance, Water Resistance and Friction 3/4. Guided Investigation: Paper Drop 5. Pulleys, Gears and Levers 6. Assessment	<b>Astronomy</b> 1. The Big Bang and the expanding universe 2. Gravity 3. Our Solar System 4. The Moon 5. Our Galactic neighbourhood 6. Assessment question what is the big bang?	<b>The Human Body (Circulatory system)</b> 1. The Heart: Circulation of the Blood 2. Blood Vessels and Transport 3. Blood Pressure and Heart Rate 4. Heart Rate- an Investigation 5. Heart Rate- an Investigation continued 6. Assessment 7. Optional extra lesson: components of blood
Year 5 -6 Year B	<b>Classification of Living Things</b> 1. Classifying organisms 2. Cells: Plant and Animal cells 3. Taxonomy 4. Vertebrates 5. Invertebrates 6. Assessment Investigation- all sorts sort	<b>Meteorology</b> 1. Meteorology and the Atmosphere 2. The Ozone Layer 3. Air Movement 4. Cold and Warm Fronts - investigation- temperature 5. Thunder and Lightning 6. Assessment	<b>Electricity</b> 1. Simple Series Circuits 2. Voltage 3. Switches 4. Planning an Investigation 5. Investigation - conductors and insulators which material will conduct electricity and light up a bulb English science write-up 6. Assessment	<b>Light</b> 1. How Light Travels 2. How We See 3. Shadows and Their Shapes - investigation, do shadows change according to the angle of light (PHIZZI) 4. The Colour of Light 5. Making a Periscope 6. Assessment	<b>Reproduction</b> Investigation – garlic, ginger and potato 1. Asexual reproduction 2. Sexual reproduction in non-flowering plants 3. Sexual reproduction in flowering plants 4. Reproduction in animals 5. Growth stages 6. Assessment	<b>Evolution</b> 1. Fossils and Mary Anning 2. Inheritance 3. Adaptation 4. Charles Darwin 5. Alfred Wallace 6. Assessment Investigation- finch beaks