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|  | **Term** | **Autumn** | **Spring** | **Summer** |
| Y1 | Science  (Working scientifically throughout topics) | Plants   * Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees (Forest School) | Animals, including humans   * Identify and name a variety of common animals. | Everyday materials   * Distinguish between and object and the material from which it is made. * Identify and name a variety of everyday materials. * Describe the simple physical properties of everyday materials. * Compare and group materials.   Plants   * Identify and describe the basic structure of a variety of common flowering plants, including trees. |
| Y2 | Science  (Working scientifically throughout topics) | Animals including humans  • Animals’ offspring  • The basic needs of all animals for survival  • The importance of exercise, food and hygiene | Uses of everyday materials  • The suitability of materials for particular uses  • How the shapes of objects can change | Plants  • How seeds and bulbs grow  • The importance of water, light and heat  Living things and their habitats  • Differences between things that are living, dead and have never been alive  • Suitability of different habitats  • Habitats and micro-habitats of plants and animals  • Simple food chains  (Forest School) |
| Y3 | Science  (Working scientifically throughout topics) | Animals including humans   * Nutrition * Importance of the skeleton and muscles | Rocks   * Compare and group rocks * Fossils * Soil   Plants   * Functions of different parts of flowering plants * Requirements of plants for life and growth * How water is transported within plants * Life cycle of flowering plants, including pollination, seed formation and seed dispersal | Light   * What is light and darkness? * Reflection of light * Sun’s light * Shadows   Forces and Magnets   * How do things move on different surfaces? * Some forces need contact between two objects, but magnetic forces can act at a distance * Magnets attract or repel each other * magnetic materials * Magnetic poles |
| Y4 | Science  (Working scientifically throughout topics) | States of Matter   * Solids, liquids and gases * Changing states through heating and cooling * Water cycle   Electricity   * Identify electrical appliance * Construct simple circuits * Control a switch * Common conductors and insulators | Livings things and their habitats   * Group living things * Classification keys * Impact of the environment   Sound   * Identifying how sounds are made and recognising vibrations. * Finding patterns * Sounds in relation to distance | Animals Including Humans   * Simple functions of the digestive system * Types of teeth * Construct and interpret food chains |
| Y5 | Science  (Working scientifically throughout topics) | Earth and Space   * Day and Night * Earth Rotations * Orbits of the moon | Livings things and their habitats   * Life cycles of a mammal, an amphibian, an insect and a bird * Reproduction in plants and animals * (Forest School links) | Forces   * Gravity, Air and Water, Resistance, Friction, Levers and Pulleys   Properties and changes of materials   * Properties, states of matter, separating materials, conductors, insulators, reversible and irreversible changes * (Forest School links) |
| Y6 | Science  (Working scientifically throughout topics) | Electricity  • Explore lamps and buzzers in circuits  • Reasons how components function  • Use signs for circuits  Evolution  • Living Things have changed over time, fossils  • Offspring and adaptions | Livings things and their habitats  • Classification of plants (Forest School) | Light  • Lights appear to travel in a straight line  • Light sources travel to our eyes  • Explanations of shadows  Animals including humans  • Identify human circulatory system • Recognise impact of diet  • Establish how nutrients are transmitted through animals |