**Science Curriculum Overview (summary)**

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|  | **Advent 1** | **Advent 2** | **Lent 1** | **Lent 2** | | **Pentecost 1** | | **Pentecost 2** |
| **R** | Listening, Attention and Understanding: Make comments about what they have heard and ask questions to clarify their understanding.  Managing Self: Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.  The Natural World: Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. | | | | | | | |
| **F2/Y1** | **Animals including humans**  Human Body  Senses | **\*Taking Care of the**  **Earth**  Pollution, Recycling | **Everyday Materials**  Material and magnets  Properties and uses of materials, magnets | **Animals including humans**  Animals and their needs  Grouping animals. carnivores, herbivores, omnivores | | **Plants**  What plants need ; parts of plants ; plants we eat | | **Seasonal Changes**  Seasons and Weather  The four seasons; clouds,  weather forecasting |
| **Y1/2** | **Animals including humans**  Human Body  Senses  Skeleton | **\*Taking Care of the**  **Earth**  Pollution, Recycling | **Everyday Materials**  Materials and matter  uses; properties solid and liquid; changing solid  objects | **Animals including humans**  Animals and their habitats  Grouping animals. Carnivores, herbivores, omnivores.  Rainforest and desert habitats. | | **Plants**  Parts of plants ; seeds and bulbs; deciduous and evergreen; food and farming | | **Seasons and Weather**  The four seasons; weather forecasting, clouds, graph |
| **Y2** | **Animals including humans**  Human Body  skeletons, muscles, healthy eating, circulation, germs | **Electricity\***  Circuits; investigating conductive materials | **Everyday Materials**  Materials and matter  uses; properties of liquids; changing solids | **Living things and their habitats**  Dead or alive, habitats: rainforest, desert, meadow, underground | | **Plants**  Plants around us; Seeds and bulbs , food and Farming | | **Earth and Space\***  Astronomy  Introducing the Solar System |
| **Y3** | **Animals including humans**  Human Body  Muscles, skeletons, nervous system, digestive system | **Forces and Magnets**  Gravity, friction, magnetic poles and fields | **Light**  Light and Dark; Shadows; Transparent and  opaque Mirrors and  reflection | **Cycles in Nature\***  The Four Seasons  (prior learning); seasonal cycles in  Plants ; life cycle of a plant; animal Migration; life Cycle of a Frog | | **Plants**  Flowering Plants  Water transportation ; life cycle of flowering plants | | **Rocks**  rocks, fossils, soil |
| **Y3/4** | **Animals including humans**  Human Body  Cells and nutrients, Teeth and senses, digestion, healthy diet, vitamin and minerals. | **Forces and Magnets**  Gravity, friction, magnetic poles and fields | **The Water Cycle**  Evaporation, Condensation, Changing states of matter | **Living Things and their habitats**  Classification of plants and animals  animal classification , classes of vertebrates and invertebrates | | **Plants**  Water transportation ; life cycle of flowering plants.  Classification of Plants | | **Rocks**  Rocks, fossils, soil |
| **Y4/5** | **Animals including humans**  Human Body  Human growth stages | **Electricity**  Switches, circuits, conductors, insulators | **Sound**  Pitch, volume and how we hear | **The Water Cycle**  Evaporation, Condensation, Changing states of matter; precipitation | | **Forces**  Gravity, air resistance, water resistance and  Friction, mechanisms | **Earth and Space**  Astronomy  Gravity, the moon | **Living Things and their habitats**  Ecology  Webs; effect on the environment |
| **Y5** | **Animals including humans**  Human Body  Human growth stages | **Properties and changes of materials**  Changing states, separating mixtures; reversible changes | **Forces**  Gravity, air resistance, water resistance and  Friction, mechanisms. | **Living Things**  Life cycles in living things, reproduction in  Plants | **Sound**  Pitch, volume and how we hear | **Earth and Space**  Astronomy  Gravity, our solar system. the Moon | | |
| **Y6** | **Animals including humans**  Human Body  Heart and circulatory system | **Light**  How we see; shadows | **Electricity**  Series / Parallel Circuits | | | **Living things and their habitats**  Classifying organisms | | **Evolution**  Inheritance and adaptation |