**Science Curriculum Overview (summary)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **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 BodySenses | **\*Taking Care of the****Earth**Pollution, Recycling | **Everyday Materials**Material and magnetsProperties and uses of materials, magnets | **Animals including humans**Animals and their needsGrouping animals. carnivores, herbivores, omnivores | **Plants**What plants need ; parts of plants ; plants we eat | **Seasonal Changes**Seasons and WeatherThe four seasons; clouds,weather forecasting |
| **Y1/2** | **Animals including humans**Human BodySensesSkeleton  | **\*Taking Care of the****Earth**Pollution, Recycling | **Everyday Materials**Materials and matteruses; properties solid and liquid; changing solidobjects | **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 Bodyskeletons, muscles, healthy eating, circulation, germs | **Electricity\***Circuits; investigating conductive materials | **Everyday Materials**Materials and matteruses; 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 BodyMuscles, skeletons, nervous system, digestive system | **Forces and Magnets**Gravity, friction, magnetic poles and fields | **Light**Light and Dark; Shadows; Transparent andopaque Mirrors andreflection | **Cycles in Nature\***The Four Seasons(prior learning); seasonal cycles inPlants ; life cycle of a plant; animal Migration; life Cycle of a Frog | **Plants**Flowering PlantsWater transportation ; life cycle of flowering plants | **Rocks**rocks, fossils, soil |
| **Y3/4** | **Animals including humans**Human BodyCells 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 animalsanimal 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 BodyHuman 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 andFriction, mechanisms | **Earth and Space**Astronomy Gravity, the moon | **Living Things and their habitats**Ecology Webs; effect on the environment |
| **Y5** | **Animals including humans**Human BodyHuman growth stages | **Properties and changes of materials**Changing states, separating mixtures; reversible changes | **Forces**Gravity, air resistance, water resistance andFriction, mechanisms. | **Living Things**Life cycles in living things, reproduction inPlants | **Sound**Pitch, volume and how we hear | **Earth and Space**Astronomy Gravity, our solar system. the Moon |
| **Y6** | **Animals including humans**Human BodyHeart and circulatory system | **Light**How we see; shadows | **Electricity**Series / Parallel Circuits | **Living things and their habitats**Classifying organisms | **Evolution**Inheritance and adaptation |