Science Curriculum Overview

	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.					
R/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

Biology | Chemistry | Physics

*units included in the long term plan is in addition to the national curriculum content.