



St Bridget's Catholic Primary School Science Long Term Plan



YEAR GROUP	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	'What's your favourite tale?' -Me and my family – growing	'Celebrating in style' -Seasons	'It's all about Julia!' -Floating and sinking	'How does your garden and its creatures grow?' -Growing and bugs -Animals and Insects -Plants -Growth -Using magnifiers	'From another planet' -Space -Astronauts -Different countries -Different jobs	'Wherever Next?' -Journeys and transport
Reception	'It's me!' -Seasons	'Once upon a time..'	'From outer space' -Planets -Shadows -vehicles	'How big are you?' -Animals big and small' -Spring life -Living on a farm -Animals and their habitats	'Grow, grow, grow' -Growing vegetables and plants -Mini-beasts -Using magnifiers	'Commotion in the Ocean' -Floating and sinking
Year 1	Seasonal changes and daily weather -changes across the 4 seasons -observe and describe weather associated with the seasons and how day length varies Plants – (trees) -evergreen and deciduous	Animals, including humans -name, describe and compare variety of animals. -grouping animals	Materials -describe, group and compare the properties of a variety of everyday materials.	Revisit 1: Animals, including humans -identify and name animals that are carnivores., herbivores and omnivores -describe and compare the structure of common animals.	Plants (garden plants) -identify and name common wild and garden plants -name and describe the structure of a variety of common flowering plants	Revisit :Plants Animals including humans -Senses and body parts related to those senses.
Year 2	Living Things and Their Habitats : Habitats Simple food chain	Animals Including Humans -basic needs of animals and humans -exercise, balanced diet, hygiene	Revisit: Animals Including Humans	Everyday Materials and their Properties - identify and compare everyday materials, for particular uses - squashing, bending, twisting and stretching	Revisit: Everyday Materials and their Properties	Plants - how seeds and bulbs grow into mature plants -what plants need to grow and stay healthy
Year 3	Animals, including humans. -nutrition -skeletons and muscles for support, protection and movement	Introducing Rocks -compare and group rocks on simple physical properties - how fossils are formed -soils are made from rocks and organic matter	Forces and magnets -forces need contact between 2 objects, but magnetic forces can act at a distance - attract or repel	Light -Light is needed to see things dark is the absence of light -light is reflected from surfaces -shadows	Plants -flowering plants -water transport -life cycle of flowering plants, including pollination, seed formation and seed dispersal	Re-visit Animals Including humans.
Year 4	Living things & their Habitats: Habitats	States of Matter	Animals, including Humans: - Teeth & their functions - Human digestion	Animals, including Humans: - Food chains, producer, predator & prey	Electricity -construct a simple series circuit -insulators and conductors	Sound -how sound is made -vibrations travel through medium to ear - pitch and volume
Year 5	Materials and their Properties -grouping by hardness, solubility, transparency, conductivity and response to magnets -mixtures and solutions	Animals including humans - Human changes to old age	Earth and Space Earth and other planets in relation to the sun - the movement of the moon relative to the Earth	Revisit :Earth and Space	Forces -gravity -air resistance, water resistance and friction levers, pulleys and gears	Living Things and their Habitats -life cycles of a mammal, an amphibian, an insect and a bird - reproduction in some plants and animals
Year 6	Living things and their habitats -Classification -living things are classified into broad groups according to common observable characteristics	Light -light travels in straight lines -how we see -the eye -shadows	Animals including humans The Circulatory System -parts of the human circulatory system - the functions of the heart, blood vessels and blood	Animals including humans Water Transport -diet, exercise, drugs and lifestyle - nutrients and water are transported	Electricity -circuits -investigate brightness of lamp or volume of a buzzer -the on/off position of switches -use symbols when representing a simple circuit in a diagram	Evolution and inheritance -fossils -offspring and variation -adaptation and evolution -Darwin