

Barrowcliff School

Science Long Term Plan



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	What colours can you see? What happens to them when they mix?	Why are the leaves changing?	Investigate water freezing and ice melting	What is starting to grow?	What is happening in our pond?	Why is it important to look after our sealife and beaches?
Reception	The body: senses & keeping healthy	Seasons: seasonal changes	Floating & Sinking	Pushes & Pulls: how things move	Plants & Animals: life cycles	Plants & Animals: habitats
Year 1	Light: Recognise Light Sources	Seasonal Change: Observe & Describe Changes	Sound: Recognise different sounds and how they are made.	Everyday Materials: Identify & Describe Materials	Plants: Common Garden/Wild Plants	Animals Inc Humans: Common animals/ Parts of human body
Year 2	Animals Inc Humans: Basic needs of animals for growth	Uses of Everyday Materials: How materials can be used and changed	Healthy Living: Features of a Healthy Lifestyle	Living Things & Their Habitats: Living things within different habitats	Electricity: use drawings to represent batteries as part of a simple circuit	Plants: Conditions for Growth

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Year 3	Animals Inc Humans: Animals food & Nutrition	Rocks: Physical properties of rocks	Seasonal Changes & The Earth: Movement of Earth, Sun and Moon	Light & Dark: How light reflects and how shadows are formed	Forces & Magnets: How objects move on Different Surfaces	Plants & Animals: Functions of different parts of flowering plants
Year 4	Scientists & Inventors: How science has changed the world	Electricity: Simple Series Electrical Circuits	Animals Inc Humans: The Digestive System	Materials: States of Matter Solids/Liquids/Gases	Sound: How sounds are made	Living Things & Their Habitats: Classification using simple keys
Year 5	Properties & Changes of Materials: Investigate changes to materials with contrasting properties	Earth & Space: Earth, Sun and Moon within the solar system	The Science of Plants: Plant Reproduction & Photosynthesis	Animals Inc Humans: Human changes from birth to old age	Living Things & Their Habitats: Different lifecycles and reproduction in some plants and animals	Forces: Gravity. Friction and Mechanisms
Year 6	Light: How light travels	Animals Including Humans: Heart & The Circulatory System	Sound: vibrations can travel at different speeds through different mediums	Evolution & Inheritance: Adaptation of species over time	Electricity: Using Voltage of cells in circuits to improve brightness/volume within a circuit	Living Things & Their Habitats: Classification (including micro- organisms)

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