

Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Skeletons & Food	Food Waste Rocks	Fossils & Soils	Light	Plants	Forces & Magnets
Year 4	Group & Classify Living Things Data Collection	States of Matter	Sound Data Collection	Electricity Energy Sources	Data Collection Habitats Deforestation	Food Chains The Digestive System
Year 5	Forces	Space Global Warming	Properties of Materials	Animals including humans Life Cycles	Reproduction	Reversible & Irreversible Changes Plastic Pollution
Year 6	Living things and their habitats	Electricity Renewable Energy	Light Light Pollution	The Circulatory System Diet, Drugs & Lifestyle	Variations Adaptations	Fossils Themed Projects

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	Autumn Term	Spring Term	Summer Term
YEAR 3	<u>Skeletons</u> Studying the diet of humans and animals and how they use their skeletons for support, protection and movement. <u>Food Waste</u> What is food waste and what can we do to prevent it. <u>Rocks</u> Sorting and classifying different types of rocks and creating rock surveys.	<u>Fossils & Soils</u> Looking at how fossils are formed, what soils are made from and the properties of different soils. <u>Light</u> Why we need light, how it is reflected, the hazards of the sun and how shadows are formed.	<u>Plants</u> Identification of plant parts and their functions, the plant life cycle and how water is transported. <u>Forces and Magnets</u> Movement of objects on different surfaces, magnetic forces and magnetic materials.
YEAR 4	<u>Group & Classify Living Things</u> Grouping animals and plants based on their properties, including classifying vertebrates and invertebrates. <u>Data Collection</u> Part A - Collecting data on animals in the area based on different classifications.	<u>Sound</u> How sounds are made, how sound travels and how sound is produced. <u>Data Collection</u> Part B - Collecting data on animals in the area based on different classifications.	<u>Data Collection</u> Part C - Data will then be used to make conclusions. <u>Habitats</u> Using classifying keys to classify animals and plants, including the human impact on habitats.

	<u>States of Matter</u> Classification of different materials – solids, liquids and gases and their changing states.	<u>Electricity</u> Common electrical appliances, simple circuit making and the variables that affect the strength of a circuit.	<u>Deforestation</u> What is deforestation and the impacts in the UK and the rest of the world. <u>Food Chains</u> <u>The digestive System</u>
YEAR 5	<u>Forces</u> The effect of gravity on objects and identifying, understanding and demonstrating the different forces. <u>Space</u> Movement of the planets in the solar system and how day and night is formed. <u>Global Warming</u> What is global warming and how can we prevent it.	<u>Properties of Materials</u> Classification of materials based on their properties and the conducting of fair tests to demonstrate this. <u>Animals, including Humans</u> Describe the changes as humans develop to old age. <u>Life Cycles</u> Differences between life cycles and reproduction in plants and animals.	<u>Reproduction</u> <u>Reversible and Irreversible Changes</u> Investigating separating materials through filtering and sieving, including reversible and irreversible changes. <u>Plastic Pollution</u> What is plastic pollution and how can we prevent it.
YEAR 6	<u>Living Things and their Habitats</u> Classification of microorganisms, plants and animals based on similarities and differences. <u>Electricity</u> Investigating how the strength of the components of a circuit affects the	<u>Light</u> How light travels and why shadows are formed. What is light pollution and how can we reduce it. <u>The Circulatory System</u>	<u>Variations</u> Exploring that human/animal offspring inherit characteristics from their parents. <u>Adaptations</u> Adaptations of animals and plants including Charles Darwin's work.

bulbs and buzzers and using symbols to represent these components.

Renewable Energy

Looking at what renewable energy is and how it is used.

Looking at the circulatory system, including the heart and blood flow and dissection of a heart.

Diet, Drugs & Lifestyle

Investigating diet, drugs and cigarettes and the effects on the heart rate.

Fossils

Looking at how fossils are formed and the work of Mary Anning.

Themed Projects

Including melting points and thermal conductivity.