Science Curriculum Overview

Year Group	Autumn Term	Spring Term	Summer Term
3	<u>Animals, Including Humans</u> • Nutrition • Skeleton and muscles	<u>Forces and Magnets</u> • How things move • Investigating magnets • Pole attraction and repulsion • Magnetic materials	<u>Plants</u> • Functions of different parts of plants • Requirements for plant life • Water transportation • Life cycle, pollination, seed dispersal
	<u>Light</u> • Importance of light • Reflection of light • How shadows are formed		<u>Rocks</u> • Comparing rock properties • Fossils • Soils
4	<u>Living Things and their Habitats</u> • Grouping living things • Using classification keys • How environments can change	<u>States of Matter</u> • Solids, liquids and gases • Changes of state • Heating and cooling • Condensation and evaporation	<u>Electricity</u> • Electrical appliances • Investigating simple series circuits • Switches • Conductors and insulators
	<u>Animals, Including Humans</u> • Digestive system • Teeth • Food chains		<u>Sound</u> • How sounds are made • How we hear sounds • Investigating pitch and volume
5	<u>Properties of Materials and Changes</u> • Properties of materials • Dissolving and separating materials • Uses of materials • Reversible and irreversible changes	<u>Earth and Space</u> • Movement of the Earth and Moon • Identifying planets as spherical bodies • Day and Night	<u>Animals, Including Humans</u> • How humans develop into old age
	<u>Forces</u> • Gravity • Water resistance, air resistance and friction • Use of mechanisms		<u>Living Things and their Habitats</u> • Life cycles of mammals, amphibians, insects and birds • Reproduction in some plants and animals
6	<u>Living Things and their Habitats</u> • Classifying living things • Micro-organisms	<u>Electricity</u> • The effect of the number of voltage and cells with buzzers and brightness of bulbs • How variations of components function in a circuit • Symbols used in a simple circuit	<u>Evolution and Inheritance</u> • How living things have changed over time – look at fossils • How offspring inherit characteristics from parents • Adaptation • How living things have evolved
	<u>Animals, Including Humans</u> • Circulatory system • How diet, exercise, drugs and lifestyle effect how the body functions • Water and nutrient transportation in animals and humans	<u>Light</u> • Light travelling in straight lines • How we see – the functions of the eye • Investigating the shape of shadows	