



Science Long Term Plan

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 1	Everyday Materials Objects are made from materials. Identify a range of everyday materials and their sources. Investigate the properties of materials and begin to recognise that a material's properties define its use.	Human Senses Humans are a type of animal known as a mammal. Name and count body parts and identify similarities and differences. Learn about the senses, the body parts associated with each sense and their role in keeping us safe.	Seasonal Changes The seasons, seasonal changes and typical seasonal weather and events. Learn about measuring the weather and the role of a meteorologist. Begin to learn about the science of day and night and recognise that the seasons have varying day lengths in the UK.		Plant Parts Wild and garden plants, exploring the local environment. Identify and describe the basic parts of plants and observe how they change over time.	Animal Parts Animals, including fish, amphibians, reptiles, birds, mammals and invertebrates. Identify and describe their common structures, diets, and how animals should be cared for.
Year 2	Human Survival The basic needs of humans for survival, including the importance of exercise, nutrition and good hygiene. Learn how human offspring grow and change over time into adulthood.	Habitats Habitats and what a habitat needs to provide. Explore local habitats to identify and name living things and begin to understand how they depend on one another for food and shelter.	Uses of Materials The uses of everyday materials and how materials' properties make them suitable or unsuitable for specific purposes. Begin to explore how materials can be changed.	Plant Survival The growth of plants from seeds and bulbs. Observe the growth of plants firsthand, recording changes over time and identifying what plants need to grow and stay healthy.	Animal Survival Growth in animals exploring the life cycles of some familiar animals. Build on learning about the survival of humans by identifying the basic needs of animals for survival, including food, water, air and shelter.	
Year 3	Animal Nutrition and the Skeletal System The importance of nutrition for humans and other animals. Learn about the role of a skeleton and muscles and identify animals with different types of skeleton.		Forces and Magnets Contact and non-contact forces, including friction and magnetism. Investigate frictional and magnetic forces, and identify parts of a magnet and magnetic materials.		Plant nutrition and reproduction The requirements of plants for growth and survival. Describe the parts of flowering plants and relate structure to function, including the roots and stem for transporting water, leaves for making food and the flower for reproduction.	Light and Shadows Light and dark. Investigate the phenomena of reflections and shadows, looking for patterns in collected data. The risks associated with the Sun are also explored.