Science Provision Map - EYFS & KS1						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Exploring animals big and small on the school grounds and further afield, identifying similarities and differences and sorting animals into groups. ▪ Animal adventures.	**Throughout the year.** Observing how the natural world transforms through the year and recognising how these changes affect the weather, plants and animals. ▪ Changing seasons.	Encouraging curiosity, the children explore the natural world through hands-on investigation, discovering how processes and changes occur around us. ▪ I am a scientist.	**Throughout the year.** Observing how the natural world transforms through the year and recognising how these changes affect the weather, plants and animals. ▪ Changing seasons.	Exploring outdoors, children discover the wonders of the natural world. They plant seeds, mix plants in the mud kitchen and learn to care for our beautiful planet. ▪ Our beautiful planet.	**Throughout the year.** Observing how the natural world transforms through the year and recognising how these changes affect the weather, plants and animals. ▪ Changing seasons.
Year 1	Reflecting on their experiences, the children learn about the four seasons and their associated weather, explore how seasonal changes affect trees, daylight hours and clothing and plan and present weather reports, considering the knowledge needed for the role. ▪ Forces and space: seasonal changes.	Identifying and naming objects and the materials from which they are made, the children compare and group materials by how they look and carry out tests to sort them based on unobservable properties. ▪ Materials: Everyday materials.	Identifying and naming body parts and conducting practical activities with the senses to spot patterns and answer questions. ▪ Animals: Sensitive bodies.	Comparing and grouping animals based on similarities and differences in their characteristics, physical features and diets. ▪ Animals: comparing animals.	Identifying and naming a variety of plants and investigating if beans need water for growth. ▪ Plants: Introduction to plants.	Consolidating knowledge of plants and animals through picture books and practical investigations. ▪ Making connections: Investigating science through stories.
Year 2	Discovering plants and animals in a range of habitats. ▪ Living things: Habitats.	Asking questions about minibeasts and using scientific enquiry methods to find answers. ▪ Living things: Microhabitats.	Comparing the suitability of materials by carrying out tests and recording data. ▪ Materials: Everyday uses of materials.	Identifying the stages of animal life cycles and carrying out tests to record growth. ▪ Animals: Including humans: Life cycles and death.	Investigating seeds, bulbs and plants and recognising the conditions required for germination and healthy plant growth. ▪ Plants: Plant growth.	Consolidating knowledge of materials and plant growth through enquiry. ▪ Making connections: Plant-based materials.

Science Provision Map - KS2						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Exploring the role of skeletons and muscles, learning how the body uses energy and what constitutes a balanced diet. • Animals: Movement and nutrition.	As Exploring contact and non-contact forces, including friction and magnetism and their effects. • Living things: Microhabitats.	Exploring the physical properties of rocks and soils and fossil formation. • Materials: Rocks and soil.	Exploring the link between light and darkness, observing reflections and investigating different factors that affect shadows. • Energy: Light and shadows.	Describing the life cycle of a flowering plant and carrying out tests to investigate plant structure and function. ▪ Plant reproduction.	Exploring the relationship between hand span and grip strength through scientific enquiry. • Making connections: Does hand span affect grip strength.
Year 4	Exploring the role of the digestive system and comparing teeth and diets of different animals as part of a food chain. • Animals: Movement and nutrition.	Exploring electrical components and conductivity through circuit building and real life applications. • Energy: Electricity and circuits.	Exploring states of matter and changes of state. • Materials: Sates of matter.	Exploring volume, pitch and how sound travels. • Sounds and vibrations.	Grouping and classifying living things and exploring habitat changes. • Classification and changing habitats.	Exploring the relationship between viscosity and the flow of liquids through scientific enquiry. • Making connections: How does the flow of liquids compare?
Year 5	Exploring different types of mixtures and the appropriate methods to separate them. • Materials: Mixtures and separation.	Exploring the properties of everyday materials and reversible and irreversible changes to them. ▪ Martials: Properties and changes.	Exploring day and night and the movement of the Earth, planets and Moon. • Forces and space: Earth and space.	Exploring the life cycles of plants and animals and the life process of reproduction. • Living things: Life cycles and reproduction.	Investigating gravity, friction, air and water resistance and their effects. ▪ Forces and space: Unbalanced forces	Animals: Human timeline: Exploring how humans change from a baby through to old age, including puberty, measurements of growth and gestation periods. • Animals: Human timeline (3 lessons).

						Making connections: Does the size of an asteroid affect the diameter of its crater?: Exploring the relationship between the size of model asteroids and the diameter of the impact crater. • Does the size of an asteroid affect the diameter of its crater? (3 lessons).
Year 6	Classifying organisms of all sizes. balanced diet. • Classifying big and small.	Exploring how light travels in straight lines and that this explains observations of shadows and reflection. • Energy: Light and reflection.	Exploring variation and inheritance in different living things and how observations and fossil evidence have led to the theory of evolution. • Living things: Evolution and inheritance.	Developing knowledge of circuits, the effects of changing voltage and how switches contribute to different devices. • Energy: Circuits, batteries and switches.	Exploring the heart and circulatory system through models and enquiries and considering how lifestyle choices affect our health. • Animals, including humans: Circulation and health.	Testing light and UV transmission of different sunglasses through an enquiry to decide which pair work best. • Making connections: Are some sunglasses safer than others?