KS2 Science Curriculum map

	Autumn 1st	Autumn 2nd	Spring 1st	Spring 2nd	Summer 1st	Summer 2nd
Cycle 1 2025-2026	**The Human Body** Cells, organ systems excretory system, senses, taking care of your body, a healthy diet, vitamins and minerals (Year 3)		**Rocks, fossils and Soils** Compare different types of rocks, investigate rock hardness, how fossils are made? What is soil, permeability (Year 3)	**Magnetism** Magnets around us, lodestones, magnetic poles, magnetic field law of magnetic attraction, north and south magnetic poles, orienteering using a magnetised needle (Year 3)	**Cycles in Nature** Life Cycles- The life cycle: birth, growth, reproduction, Butterflies life cycle Plants life cycle, amphibians life cycle, seasons, migration (Year 3)	
Cycle 2 2026-2027	**Sound** How sound travels, sound waves, speed of sound, pitch, intensity, how the ear works	**Animals** Cold-blooded/warm-blooded, vertebrates/ invertebrates, classification groups, insect, arachnids, molluscs, animal research investigation	**Ecology** Living Things/Habitats Natural Cycles Web of Living Things Air Pollution Ecology in our Local Areas	**Plants** Botany and flowering plants, requirements for life and growth, water transportation in plants, pollination in flowering plants, seed dispersal (Year 3) - no plan	**States of Matter/Water Cycle** Solids and liquids, gases, melting and cooling, evaporation and condensation, changes of state in the water cycle	**Electricity** Static electricity, electric current, simple circuits-closed circuit, open circuit, short circuit, conductors/ insulators, electromagnets Using electricity safely
Cycle 3 2027-2028	**Meteorology** Weather and climate, clouds, the atmosphere, how the sun and earth heat the atmosphere, air movement, wind direction, cold and warm fronts, forecasting the weather	**Materials** Properties of materials Which material is best? Solubility, Separating mixtures- sieving, filtering, evaporating, Reversible changes- dissolving, mixing, change of state	**Living Things and their Habitats** Life Cycles of local Plants and Animals Plant reproduction, Mammals/ Amphibians Life Cycles, Insect/Birds Life Cycles, David Attenborough and Jane Goodall	**Forces** Forces Including Gravity Air Resistance, Water Resistance and Friction Guided Investigation: Paper Drop Pulleys, Gears and Levers	**Astronomy** The Big Bang and the Expanding Universe Gravity Our Solar System The Moon Our Galactic Neighbourhood.	**The Human Body** Circulation and Respiration. The circulatory system, the heart, what is blood and why do we need it? The lungs and smoking William Harvey's pioneering work
Cycle 4 2028-2029	**The Human Body** The Heart: Circulation of the Blood, Blood Vessels and Transport, Blood Pressure and Heart Rate,	**Classification of living things** Classifying organisms, Cells, Plant and Animal cells, Taxonomy, Vertebrates, Invertebrates	**Electricity** Simple Series Circuits, Voltage, Switches, building circuits,	**Light** How Light Travels, How We See, Shadows and Their Shapes, The Colour of Light, Making a Periscope	**Evolution** Fossils and Mary Anning, Inheritance, Adaptation, Charles Darwin, Alfred Wallace	**Reproduction** Asexual reproduction, Sexual reproduction in non-flowering plants, Sexual reproduction in flowering plants, Reproduction in animals, Growth stages