



Key Stage 3 Curriculum Map Overview

Subject: Science						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Unit Name: Living things and their habitats. Unit Description: Defining 'life', classifying living things based on observable characteristics, associating living things with their habitats based on observed characteristics.	Unit Name: Plants and animals (inc. humans). Unit Description: Comparing and contrasting plants and animals physically, in their life cycles and their nutritional needs and systems.	Unit Name: Materials. Unit Description: Properties of materials, including, dissolving, separating and irreversible changes.	Unit Name: Earth and space. Unit Description: Overview of the Earth and its place in our solar system.	Unit Name: Light and sound. Unit Description: The nature of light, how we see, reflection, refraction and shadows. The nature of sound, how we hear, volume and pitch.	Unit Name: Forces and magnets. Unit Description: Defining a force and distinguishing between contact and non-contact forces. The nature of gravity, magnetism, friction, water and air resistance.
Year 8	Unit Name: Structure and function of living organisms. Unit Description: Cellular organisation, skeletal, muscular, digestive, gas exchange and reproductive systems of living things.	Unit Name: Cycles, interactions, and interdependencies. Unit Description: Photosynthesis and respiration. Relationships within an ecosystem.	Unit Name: Materials and States. Unit Description: States of matter and changes of state (including the water cycle and its environmental significance)	Unit Name: Chemical reactions. Unit Description: Acids, alkalis and neutralisation. Human activity resulting in acid rain and the impact of this.	Unit Name: Electricity Unit Description: The nature of electricity, static and current. Circuits with simple components, conductors and insulators.	Unit Name: Motion and forces. Unit Description: Measurement of force using newtons. Relationship between force and motion. Measurement of motion as speed.
Year 9	Unit Name: The Human Body. Unit Description: Structural organisation of the human body. Respiration, coordination and the maintenance of health.	Unit Name: Environment, evolution, and inheritance. Unit Description: Photosynthesis as the basis for life on Earth. Relationships between organisms and their environment. Selection pressures and natural selection leading to evolution. The nature of DNA as genetic material.	Unit Name: Elements, mixtures, and compounds. Unit Description: Atomic structure, elements and reactions. States of matter and the structure of molecules in relation to their function.	Unit Name: Chemistry in our world. Unit Description: Reactions of acids. Energy and the rate of reaction. Our atmosphere and water resource and the impact of humans.	Unit Name: Energy forces, and structure of matter. Unit Description: The nature of forces. Energy transfer. Work, motion, speed and stopping distances. Nuclear radiation.	Unit Name: Electricity, magnetism, and waves. Unit Description: Nature of electricity, including current and its manipulation to produce an electromagnet. Nature and use of waves and particularly electromagnetic waves.