SKILLS TAUGHT ACROSS SCIENCE
Forces, Digestive System, Acid and Alkalis, Metals and their reactions, Magnetism, Muscular and Skeletal systems, Energetics, Ecosystems and Waves.

Rotation
Topics are taught on a rotation per term in science. Each class will study each of these topics described but may be in a different order.

1
Autumn Term

Forces: Forces, moments, elasticity, difference between weight and mass, pressure, speed, distance-time graphs
Gas Exchange and Digestive System:
Respiratory system, gas exchange, human diet, digestive system, link between photosynthesis and digestion
Acid and Alkalis: Two groups of chemicals with distinct properties.

2
Spring Term

Magnetism: Magnets and magnetic fields, Earth's magnetic field, electromagnets, motors.
Muscular and Skeletal Systems: Essential for movement in living organisms.
Metals & Their Reactions: Reactivity series, displacement reactions, reactions of metals.
Revision:
- Cells and Organisation
- Particles
- Pure & Impure Substances
- Reproductive Systems
- Ecosystems
- Acids and Alkalis

3
Summer Term

Energetics: Energy changes in chemical reactions, exothermic and endothermic reactions, catalysts.
Ecosystems: Communities of living organisms interacting with each other and their non-living environment.
Waves: Waves in water, sound waves, light as waves, how objects are seen, colours of light.
Project: Working Scientifically

Assessments
Assessments will happen at the end of each project to ensure key knowledge is remembered. To include knowledge recall, skills and extended writing.

Skills Development, Key knowledge:
- Experimental planning
- Data collection and analysis
- Scientific evaluation
- Calculations