

Science KS3

Our Vision

Our primary goal is to encourage students to enjoy and engage with science and to develop their curiosity and enthusiasm for Science.

- To promote an understanding of science amongst students to allow them to be scientifically literate.
- Acquire and apply skills, knowledge and understanding of how science works and its essential role in society.
- Acquire scientific skills, knowledge and understanding necessary for progression to further learning; as an 11-18 faculty we want to ensure that students arriving with us in Y7 are retained through all 7 years

Key stage 3 - (Y7 - Y9)

	Year 7	Year 8	Year 9
Term 1	<p><u>Introduction to Science</u></p> <ul style="list-style-type: none"> • Cells (Biology) • Movement (Biology) • Particle Model (Chemistry) • Solutions (Chemistry) • Energy Intro. (Physics) • Energy at Home (Physics) <p><u>KS3 Literacy Terms</u></p>	<p><u>Introduction to Science</u></p> <ul style="list-style-type: none"> • Digestion (Biology) • Breathing (Biology) • Elements (Chemistry) • Periodic Table (Chemistry) • Types of Forces (Physics) • Thermal Energy (Physics) <p><u>KS3 Literacy Terms</u></p>	<ul style="list-style-type: none"> • B1a – Cell structure • B1b – Transport in Cells • C1a – Atomic structure and the periodic table • C1b – periodic table • P1a and b Energy
Assessment	A 45 minute paper covering topics from Term 1	A 45 minute paper covering topics from Term 1	<p><i>Y9 assessment paper 1 will cover:</i></p> <ul style="list-style-type: none"> • P1a – Energy • B1a – Cell structure

	Year 7	Year 8	Year 9
			<ul style="list-style-type: none"> C1a – Atomic structure and the periodic table
Term 2	<ul style="list-style-type: none"> Ecosystems (Biology) Plant Reproduction (Biology) Acids and Alkalis (Chemistry) Separating Mixtures (Chemistry) Forces Intro. (Physics) Forces and Motion (Physics) 	<ul style="list-style-type: none"> Respiration (Biology) Photosynthesis (Biology) Types of Reaction (Chemistry) Chemical Changes (Chemistry) Electrical Energy (Physics) Sound Waves (Physics) 	<ul style="list-style-type: none"> B2a – Organisation : the human digestive system C2 - Bonding P1c Energy P2a electricity
Assessment	A 45 minute paper covering topics from Term 2	A 45 minute paper covering topics from Term 2	Y9 assessment paper 2 will cover: <ul style="list-style-type: none"> Biology assessment: B2a - Organisation Chemistry assessment: C2 - Bonding, structure and properties of matter Physics assessment - P2a - Electricity
Term 3	<ul style="list-style-type: none"> Variation (Biology) 	<ul style="list-style-type: none"> Inheritance (Biology) 	<ul style="list-style-type: none"> B2b – Organisation

Year 7**Year 8****Year 9**

- [Human Reproduction](#) (Biology)
- [Earth's Structure](#) (Chemistry)
- [Periodic Table](#) (Chemistry)
- [Waves Intro.](#) (Physics)
- [Light Waves \(Physics\)](#)

- [Evolution](#) (Biology)
- [Earth's Resources](#) (Chemistry)
- [Climate](#) (Chemistry)
- [Magnetic Forces](#) (Physics)
- Applied Forces (Physics)

- [: organising animals and plants](#)
- [C4a – Chemical changes](#)
- [P2b - electricity](#)