

Science KS4

In years 9 - 11 students study towards GCSEs in science. All students start on the Combined Science GCSE which results in 2 GCSE grades, however in year 9 students can express an interest in studying the separate science GCSEs of Biology, Chemistry and Physics. These students are interviewed before a decision is made about what course is most suitable for them.

All students have separate teachers for Biology, Chemistry and Physics which ever qualification they are studying for and have three 1 hour lessons in each over the fortnight.

	AUTUMN TERM	SPRING TERM	SUMMER TERM
Year 9	Topics studied <ul style="list-style-type: none"> • Motion • Key Biological concepts • States of matter 	Topics studied <ul style="list-style-type: none"> • Methods of separating and purifying substances • Forces and Motion • Cells and control 	Topics studied <ul style="list-style-type: none"> • Atomic structure • The Periodic Table • Conservation of energy
Year 10	Topics studied <ul style="list-style-type: none"> • Genetics • Bonding • Acids and alkalis • Waves 	Topics studied <ul style="list-style-type: none"> • Health, Disease and the development of medicines • Calculations involving masses • Electrolysis • Light and the electromagnetic spectrum 	Topics Studied <ul style="list-style-type: none"> • Plant Structure and their function • Obtaining metals • Reversible reactions • Radioactivity • Particle Model
Year 11	Topics Studied <ul style="list-style-type: none"> • Animal coordination, Control and Homeostasis • Exchange and Transport in Animals • Groups in the Periodic Table • Electricity and circuits • 	Topics Studied <ul style="list-style-type: none"> • Ecosystems and Material cycles • Fuels • Earth and Atmospheric Science • Magnetism and the motor effect • Electromagnetic Induction 	Preparation for final exams