

Combined Sciences

Title of course: GCSE Combined Sciences

Qualification/level at the end of the course: GCSE (x2)

Course description: students will cover a range of topics covering aspects of Biology, Chemistry and Physics to gain two Science GCSEs at the end of the three year course. We will be teaching the new specification GCSEs with the AQA exam board. A brief summary of the unit content is listed below:

Biology - Cell Biology, Organisation, Infection & Response, Bioenergetics, Homeostasis & Response, Inheritance, Variation, Evolution & Ecology.

Chemistry - Atomic Structure, The Periodic Table, Bonding, Structures, Matter, Energy Change, Chemical Change, Quantitative Chemistry & Analysis, Organic Chemistry, Atmospheric Chemistry.

Physics - Energy, Electricity, Particle Model of Matter, Atomic Structure, Forces, Waves, Magnetism & Electromagnetism.

We will be delivering the content through a range of teaching styles and experiences that will involve practical work and investigation as well as applying the content to various scenarios across the world we live in.

Skills required: students should have good basic numeracy and literacy skills that will allow them to access the course. Students will also be expected to develop their enquiry and investigation skills and consider the importance of curiosity within science, analysing data and patterns and evaluating quality of data and methods.

Assessment: the course is assessed through six written examinations at the end of the course, each of which will be an hour and fifteen minutes in length. These written exams will be assessing recall of knowledge and application of knowledge and skills. All Science examination papers will have a minimum of 10% of questions that are mathematical and this will be nearer 30% for Physics. Examination papers will also be assessing students' knowledge and understanding of the core practical activities that they will experience throughout the course.

