COMBINED SCIENCE (GCSE)

COMBINED SCIENCE GCSE

Combined Science – at a glance

NB all exams must be taken at the end of the course in Year 11 (2018) and there is no opportunity for resits. Students will also be given mock exams and interim tests to inform progress.
You get 2 GCSE's from Combined Science

EDEXCEL SPECIFICATION 1SC0

Paper 1 Biology 1 (1SC0/1BF or 1SC0/1BH) 1hour 10 minutes

Key topics:

- Topic 1 – Key concepts in biology
- Topic 2 – Cells and control
- Topic 3 – Genetics
- Topic 4 – Natural selection and genetic modification
- Topic 5 – Health, disease and the development of medicines

Paper 2 Biology 2 (1SC0/2BF or 1SC0/2BH) 1hour 10 minutes

Key topics:

- Topic 1 – Key concepts in biology
- Topic 6 – Plant structures and their functions
- Topic 7 – Animal coordination, control and homeostasis
- Topic 8 – Exchange and transport in animals
- Topic 9 – Ecosystems and material cycles

Paper 3 (1SC0/1CF or 1SC1/1CH) 1hour 10minutes

Key topics:

- Topic 1 – Key concepts in chemistry
- Topic 2 – States of matter and mixtures
- Topic 3 – Chemical changes
- Topic 4 – Extracting metals and equilibria

Paper 4 (1SC0/2CF or 1SC1/2CH) 1hour 10minutes

Key topics:

- Topic 1 – Key concepts in chemistry
- Topic 6 – Groups in the periodic table
- Topic 7 – Rates of reaction and energy changes
- Topic 8 – Fuels and Earth science

Paper 5 (1SC0/1PF or 1SC0/1PH) (1h 10 minutes)

Key topics:

- Topic 1 – Key concepts of physics
- Topic 2 – Motion and forces
- Topic 3 – Conservation of energy
- Topic 4 – Waves
- Topic 5 – Light and the electromagnetic spectrum
- Topic 6 – Radioactivity

Paper 6 (1SC0/2PF or 1SC1/2PH) (1h 10 minutes)

Key topics:

- Topic 1 – Key concepts of physics
- Topic 8 – Energy - Forces doing work
- Topic 9 – Forces and their effects
- Topic 10 – Electricity and circuits
- Topic 12 – Magnetism and the motor effect
- Topic 13 – Electromagnetic induction
- Topic 14 – Particle model
- Topic 15 – Forces and matter

SUCCESS TIPS

Exam Papers

- Make sure you know if you are sitting the Foundation (1-5) or the Higher (4-9) Tier Paper. Your tier of entry will be established through a combination of interim tests and mock exams and discussed with you during the year.
- Use your revision guide to help you with classwork, homework and revision.
- Each exam paper is 1hour 10 minutes long and is worth 16.67% of the total grade.
- Each question starts off easier and gradually gets harder. The next question will then start off easier again, so don't give up on your paper if a question gets too hard.
- When a question is worth more than one mark, make sure you make more than one point - for example, a three mark question will need three separate points.
- Two questions in each exam paper will be worth six marks to test the quality of written communication. It is really important that you spell scientific words correctly and make sure you have included lots of scientific detail in your answer.
- For any calculations make sure you show your working out and include the correct units.
- For questions where you have to read information from a graph, use a ruler and be accurate!

There will be questions linked to core practicals you have done in lessons, where examiners will ask you to recall experimental procedures or recommend improvements. It is therefore important that you have also spent time looking over these core practicals.