

GCSE Combined Science



Exam Board: Edexcel
Faculty Leader: Mr B Feenan
Contact: bfeenan@decschool.co.uk
Assessment: 100% Exam

How the course is assessed:

Foundation tier will cover grades 1-5
Higher tier will cover grades 4-9
Six examinations (sat at the end of year 11)
which count for 100% of the students' grade:
2 x Biology Papers (1 hour and 10 minutes each)
2 x Chemistry Papers (1 hour and 10 minutes each)
2 x Physics Papers (1 hour and 10 minutes each)

Outline of course

Biology Paper 1: Key concepts in biology; Cells and control; Genetics; Natural selection and genetic modification; Health, disease and the development of medicines

Biology Paper 2: Plant structures and their functions; Animal coordination, control and homeostasis; Exchange and transport in Animals and Ecosystems and material cycles

Chemistry Paper 1: Key concepts in chemistry; States of matter and mixtures; Chemical changes and Extracting metals and equilibria

Chemistry Paper 2: Groups in the periodic table; Rates of reaction and energy changes and Fuels and Earth science

Physics Paper 1: Key concepts of physics; Motion and forces; Conservation of Energy; Waves; Light and the electromagnetic spectrum and Radioactivity

Physics Paper 2: Energy - Forces doing work; Forces and their effects; Electricity and circuits; Magnetism and the motor effect; Electromagnetic induction; Particle model and Forces and matter

Career progression:

Science opens up a world of exciting career opportunities including:

- Engineering
- Astronomer
- Doctor
- Midwife
- Nursing
- Aviation
- Marine Biologist
- Vet
- Forensic Scientist
- Pharmacist
- Psychologist

GCSE Triple Science



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Assessment: 100% Exam

How the course is assessed:

Foundation tier will cover grades 1-5
Higher tier will cover grades 4-9
Six examinations (sat at the end of year 11)
which count for 100% of the students' grade:
2 x Biology Papers (1 hour and 45 minutes each)
2 x Chemistry Papers (1 hour and 45 minutes each)
2 x Physics Papers (1 hour and 45 minutes each)

Outline of course

GCSE Biology Paper 1: Key concepts in biology; Cells and control; Genetics; Natural selection and genetic modification; Health, disease and the development of medicines

GCSE Biology Paper 2: Plant structures and their functions; Animal coordination, control and homeostasis; Exchange and transport in Animals and Ecosystems and material cycles

GCSE Chemistry Paper 1: Key concepts in chemistry, States of matter and mixtures; Chemical changes and Extracting metals and equilibria

GCSE Chemistry Paper 2: Groups in the periodic table; Rates of reaction and energy changes and Fuels and Earth science

GCSE Physics Paper 1: Key concepts of physics; Motion and forces; Conservation of Energy; Waves; Light and the electromagnetic spectrum and Radioactivity

GCSE Physics Paper 2: Energy - Forces doing work; Forces and their effects; Electricity and circuits; Magnetism and the motor effect; Electromagnetic induction; Particle model and Forces and matter

Career progression:

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- Engineering
- Astronomer
- Doctor
- Midwife
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