

Name of course: GCSE Combined Science
Examination board: Edexcel
Faculty Leader: Mr B Feenan
Faculty Leader email: b.feenan@decschool.co.uk



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

Potential career pathways that could lead on from this course:

Science opens up a world of exciting career opportunities including:

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

