

**Name of course:** GCSE Combined Science  
**Examination board:** Edexcel  
**Faculty Leader:** Mr B Feenan  
**Faculty Leader email:** bfeenan@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

