Course Description

Biology

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Module 1 - Development of practical skills in Biology

Skills of planning, implementing, analysis and evaluation

Module 2 - Foundations in Biology

Cell structure, proteins, cell division, cell diversity and cellular organisation

Module 3 - Exchange and transport

Exchange surfaces, transport in animals, and transport in plants

Module 4 - Biodiversity, evolution and disease

Communicable diseases, prevention and the immune system. Biodiversity, classification and evolution

Module 5 - Communications, homeostasis and energy

Communication, excretion, homeostasis, photosynthesis and respiration

Module 6 - Genetics, evolution and ecosystems

Cellular control, patterns of inheritance, manipulating genomes, ecosystems, cloning and biotechnology, populations and sustainability

Assessment: The OCR A level Biology A qualification is assessed through three written examinations at the end of Year 13. There are two written examinations for AS year. Students must also complete a Practical endorsement which is reported separately as Pass or Fail.

Entry Criteria

Separate Science. Students must have a Grade 7 in the Science they wish to study with at least a Grade 6 in the others. Students must have a Grade 6 in Mathematics.

Combined Science. Students must have a Grade 7,7 in Combined Science with at least a Grade 6 in Mathematics.

At the start of the year, all students will sit a 'Head Start Test' to establish a baseline for progress monitoring and to confirm they meet the course requirements.

Exam Board: OCR
Specification link: https://www.ocr.org.uk/Images/687834-download-a-level-specification.pdf

SOUTHAM COLLEGE SIXTH FORM