



A Level Biology

Exam Board: www.aqa.org.uk

Our new course **Biology A** consists of eight modules detailed below:

Module 1

Biological Molecules

Carbohydrates, lipids, proteins, nucleic acids, & water

Module 5

Energy transfers in & Between Organisms

Photosynthesis, Respiration, Energy & Ecosystems & Nutrient Cycles

Module 2

Cells

Structure and function of cells and organelles, Microscopy, Cell Cycle, Cell Surface Membrane & Cell Recognition & Immune System

Module 6

Organisms Respond to Changes in Internal & External Environment

Stimuli & response, Nervous Coordination, Skeletal Muscle & Homeostasis



Module 7

Genetics, Population, Evolution & Ecosystems

Inheritance, Populations & Evolution

Module 3

Organisms Exchange Substances with their Environment

Exchange surfaces, Transport in animals, Transport in plants

Module 8

The control of Gene Expression

Control of Gene Expression & Gene Technology

Examined: 3 papers at end of course

Paper 1 **35%**, Paper 2 **35%** & Paper 3 **30%**

Module 4

Genetic Information, Variation & Relationships between Organisms

DNA, genes & chromosomes, Protein Synthesis, Genetic Diversity, Species & Taxonomy & Biodiversity

Progression onto **A Level Biology** will require at least 5 GCSEs at grade 4 or above and grades 5/5 in Separate or Additional Science GCSEs, Biology grade 5, plus 5 in Maths GCSE and 4 in English GCSE.

Please talk to the **Head of Department** if you are interested in this subject.

