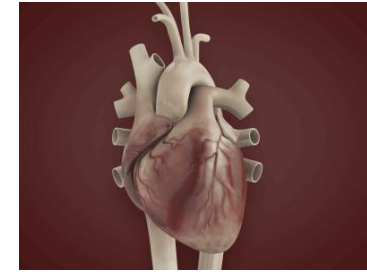




**Welcome to
KC1**

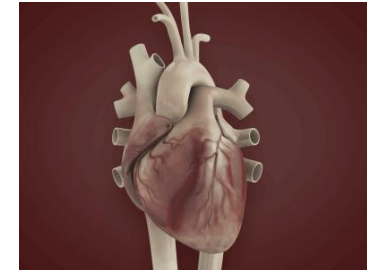
AQA A Level Biology

Why study Biology?



- Biology is a comprehensive study about life and all its forms. The importance of biology in everyday life is unquestionable as it allows the humans to know their body better, its resources and potential threats in the environment.
- Genetics, immunology, physiology, zoology and ecology are but different branches of biology. Be it a smallest cell or large ecosystem, biology covers it all. Treatments, vaccines and cures for diseases are covered in biology.
- This science also investigates various aspects of nature, the interrelations between humans, plants and animals. Understanding evolution, extinction rates and conservation efforts.

Why study Biology?



- Helps you understand the **world** around you.
- Helps you make **informed decisions**
- Can help keep you **safe and healthy**
- Teaches you how to be objective and **solve problems**
- Helps you to understand **current events** e.g. global warming
- Opens up **career pathways**
- **Facilitating subject** for top universities

Course overview



Assessments

Paper 1	+	Paper 2	+	Paper 3
What's assessed Any content from topics 1– 4, including relevant practical skills		What's assessed Any content from topics 5– 8, including relevant practical skills		What's assessed Any content from topics 1– 8, including relevant practical skills
Assessed - written exam: 2 hours 91 marks 35% of A-level		Assessed - written exam: 2 hours 91 marks 35% of A-level		Assessed - written exam: 2 hours 78 marks 30% of A-level
Questions 76 marks: a mixture of short and long answer questions 15 marks: extended response questions		Questions 76 marks: a mixture of short and long answer questions 15 marks: comprehension question		Questions 38 marks: structured questions, including practical techniques 15 marks: critical analysis of given experimental data 25 marks: one essay from a choice of two titles

Course overview

Year 1 Modules

- Biological molecules
- Cells
- Organisms exchange substances with the environment
- Genetic information, variation and relationships

Year 2 Modules

- Energy transfers in and between organisms
- Organisms responding to changes in their internal and external environment
- Genetics, populations, evolution and ecosystems
- The control of gene expression

Practical endorsement



- Practical endorsement is an important part of your A level studies.
- Over the 2 years you will complete 12 required practicals and plenty of other practical work to develop your practical skills.
- You will achieve the practical endorsement at the end of your studies. This is especially important if you plan to study a science related subject a higher level.

What skills do you need?



- Manipulate mathematical equations
- Carry out experiments (including dissections) safely
- Relate observable phenomena to underlying concepts
- Write logical explanations without repetition or contradiction
- Communicate knowledge to others
- Time management and problem-solving skills
- Be able to collect and analyse data

What are the entry requirements?

- **Triple Science-** The ideal requirement is a 6 in Biology
- **Double Science-** The ideal requirement is a 6 6 in combined science.



What our students say

- *“Studying Biology has made me want to pursue medicine. The teachers make complex topics so clear.”*
- *“A-Level Biology has boosted my confidence and helped me develop real analytical skills.”*
- *“The course is tough but so rewarding — you come away understanding how the world really works.”*
- *“A Level Biology was fun and interesting! It equipped me with the investigative skills that I needed for my Forensic Science degree.”*

Where it can take you... potential university courses

- Biochemistry
- Biomedical Sciences
- Chemical engineering, Chemistry
- Dentistry
- Environmental sciences
- Forensic science
- Geology
- Medicine
- Optometry
- Pharmacy
- Physiotherapy
- Psychology
- Sports science
- Veterinary science
- Zoology



Where it can take you... careers

- **Medicine and healthcare**- doctor, nurse, pharmacologist , physio
- **Food goods**- quality controller, food scientist, market researcher
- **Genetics**-genetic advisor, DNA profiler
- **Science and research**- research scientist, chemist, forensic scientist
- **Manufacturing**- food technologist, manufacturing engineer, manufacturing manager
- **Ecology**- Marine biologist, air quality control
- **Teaching**-primary or secondary



What we offer



Great student
experience



A positive learning
environment



Opportunities to
develop practical
skills



Fully furnished
laboratories



Highly qualified staff



A caring, inclusive
science faculty



Access to online
learning



A Level Biology FAQs

What resources help most?

AQA A Level Biology Student Book (Oxford or CGP), CGP Revision & Practice Guides, Online tools such as Seneca Learning, Save My Exams, and Physics & Maths Tutor

What skills will I gain?

You'll develop logical thinking, problem-solving, practical lab skills, and scientific communication- all great preparation for further study or careers in science.

What subjects go well with Biology?

Biology pairs well with Chemistry, Psychology, and Geography. Chemistry is essential if you're considering medicine, veterinary science, or biochemistry.

What can I do with A-Level Biology?

It's a gateway to university courses in medicine, nursing, biomedical sciences, environmental science, genetics, and many others.



A Level Biology FAQs

How much independent study is needed?

Students should spend about 4–6 hours per week outside of lessons revising, summarising notes, and completing practice questions.

How can I support my child with A-Level Biology?

Encourage a regular study routine, help them stay organised with notes and revision, ask them to explain concepts- teaching helps them learn, provide quiet study space and check progress with past papers

How are practical skills assessed?

Through the Practical Endorsement, awarded as Pass/Fail. Students must complete and show understanding of 12 key practicals throughout the course.

What career paths can it lead to?

A-Level Biology opens doors to medicine, research, forensics, biotechnology, environmental science, psychology, and healthcare professions.



**All of the King Charles I Open
Evening resources can be
found by visiting the [school
website](#)**



**We look forward to welcoming
you to our classrooms in
September 2026**