

# SUBJECT: Biology

## EXAM BOARD: AQA



### Course Overview

The AS course looks at different types of biological organisms, how this variation is brought about and explores how they function and survive in their environment. Students will initially look at the structure of some human systems, the diseases that can affect them and ways in which the body's defence mechanisms work. At the end of Year 12 students are invited on the field trip which provides the exciting opportunity to study organisms in their natural habitat and complete one of the required practicals for the course. The A2 course extends and deepens knowledge of Biology and introduces students to the innovative and rapidly expanding areas of gene technology.

#### Year 1 – AS Level

Section 1: Biological molecules

Section 2: Cells

Section 3: Organisms exchange substances with their environment

Section 4: Genetic information, variation and relationships between organisms

#### Year 2 – A2 Level

Section 5: Energy Transfers

Section 6: Organisms responses to their internal/external environment

Section 7: Genetics, populations, evolution and ecosystems

Section 8: Control of gene expression

### Useful websites

**AQA Website:** <https://www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402> Specification outlines, past papers and mark schemes

**Notes/revision:** <https://www.physicsandmathstutor.com/biology-revision/a-level-aqa/>  
<http://www.a-levelnotes.co.uk/biology-aqa-as-level-notes-new-spec.html>

**Past papers:** <https://mathsmadeeasy.co.uk/a-level-biology-revision/aqa-past-papers-a-level-biology/>

### Essential text books and reading list

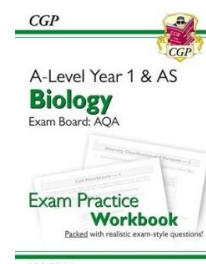
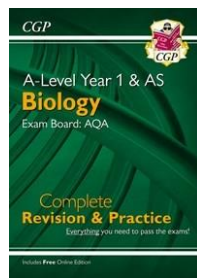
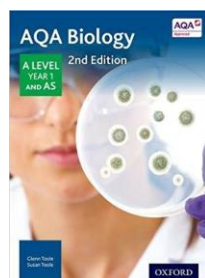
AQA Biology AS: Year 1 Student's Book. Glenn Toole and Susan Toole

**ISBN:** 978-0-19-835176-4

CGP AS revision guides and exam practice workbook

**ISBN:** 9781789080247

**ISBN:** 9781782949084



### Summer task

1. Purchase a revision guide/ workbook.
2. Review your GCSE biology revision notes.
3. Complete the summer task and research essay.