

## ASOE Biology Syllabus

This exam focuses on testing skills rather than recall of knowledge. Students need to approach the problems logically and apply reasoning to the scenarios described. We assume familiarity with the following topics, the majority of which should be encountered in the penultimate year of high school.

### Cell biology

- Structure and function of cells and their components.
- Microbiology
- Biotechnology

**Plant anatomy and physiology:** Emphasis on seed plants.

**Animal anatomy and physiology:** Emphasis on vertebrates and especially man.

### Ethology

### Genetics and Evolution

### Ecology

### Biosystematics

## ASOE Biology Exam Format

- The exam will consist of 60 multiple choice questions.
- Students are not always expected to be familiar with these topics; in such cases sufficient information to solve the problem is provided in the question.
- Students should attempt all questions.
- Permitted materials: non-programmable, non-graphical calculator, pens, pencils, erasers and a ruler.
- Marks will not be deducted for incorrect answers.