



Biology

IGCSE Biology enables students to:

- learn about unifying patterns and themes in Biology and use them in new and changing situations
- acquire knowledge and understanding of biological facts, terminology, concepts, principles and practical techniques
- apply the principles and concepts of Biology, including those related to the applications of Biology, to different contexts
- evaluate biological information, making judgements on the basis of this information
- appreciate the practical nature of Biology, developing experimental and investigative skills based on correct and safe laboratory techniques
- analyse, interpret and evaluate data and experimental methods, drawing conclusions that are consistent with evidence from experimental activities and suggesting possible improvements and further investigations
- recognise the importance of accurate experimental work and reporting scientific methods in Biology
- select, organise and present relevant information clearly and logically using appropriate vocabulary, definitions and conventions
- develop a logical approach to problem solving in a wider context
- select and apply appropriate areas of mathematics relevant to Biology as set out under each topic
- prepare for more advanced courses in Biology and for other courses that require knowledge of Biology.

Content summary:

- 1 The nature and variety of living organisms
- 2 Structures and functions in living organisms
- 3 Reproduction and inheritance
- 4 Ecology and the environment
- 5 Use of biological resources

Assessment

There are two examination papers

Paper One is two hours and Paper Two is one hour and fifteen minutes. The examination papers are set and marked by the examination board.