BIOLOGY

GCSE

For more information, please consult: *lesters@poolegrammar.com*

Examination Board: *AQA*

Introduction: GCSE Biology gives students the chance to gain a good understanding of human biology, organisms, evolution and the environment. The specification is based on a series of topics related to the living world and of relevance to students. It is designed to help them understand how Biology can be used to explain the world in which they live and the impact humans have. Students can see how Biology is used to solve problems ranging from infectious diseases to creating biofuels. Throughout the course they will complete a range of practical activities.

What will I study?

- Unit One – Cell Biology
- Unit Two – Organisation
- Unit Three – Infection and response
- Unit Four – Bioenergetics
- Unit Five – Homeostasis and response
- Unit Six – Inheritance, variation and evolution
- Unit Seven - Ecology

How will my work be assessed?

- Controlled Assessment - None
- Written Examination

Paper 1: Topics 1-4 Cell Biology, Organisation, Infection and response and Bioenergetics.

How it's assessed

- Written exam: 1 hour and 45 minutes
- Foundation and Higher Tier
- 100 marks
- 50% of GCSE
- Multiple choice, structured, closed short answer and open response

Paper 2: Topics 5-7: Homeostasis and response; Inheritance, variation and evolution and Ecology.

How it's assessed

- Written exam: 1 hour 45 minutes
- Foundation and Higher tier
- 100 marks
- 50% of GCSE
- Multiple choice, structured, closed short answer and open response.

What would this subject enable me to do when I leave school? As a key facilitating subject biology opens a wide variety of career paths. Many biologists go on to work as professional biologists in research and conservation, in medical disciplines such as medicine, nursing, physiotherapy, radiography, microbiology, dentistry and paramedic science. Many also work as nutritionists, dieticians, environmental scientists, biochemists, teachers, forensic scientists, pharmacists, science journalists or broadcasters in medical marketing, agriculture and genetics.