

IGCSE BIOLOGY

EXAMINATION BOARD

Edexcel

DESCRIPTION OF THE COURSE

Biology is an exciting and ever-changing science. Advances in Genetics, Medicine and Food Production have made Biology a lucrative subject for future careers. This course will lay the foundations for future study at A or AS Level. Even if you do not study Biology further, you will be learning more about our living world.

Biology is a science that impacts on all aspects of our lives. It is the study of life – playing a crucial role in our everyday existence. It is also the scientific exploration of the vast and diverse world of living organisms; an exploration that has expanded enormously within the last four decades revealing a wealth of knowledge about ourselves and about the millions of other organisms with whom we share this planet Earth. Today, biological research, worldwide, spans an almost infinite spectrum of studies from molecules to landscapes.

SKILLS TAUGHT

<ul style="list-style-type: none">• What is inside cells and how are they adapted?
<ul style="list-style-type: none">• Food and the digestive system• Heart and blood• Respiration and breathing• Nervous and hormonal systems• Kidneys and getting rid of waste
<ul style="list-style-type: none">• Photosynthesis, plant transport and plant sensitivity
<ul style="list-style-type: none">• Human and plant reproduction
<ul style="list-style-type: none">• How characteristics are passed on from parent to child• Genetic engineering• Selective Breeding and Natural Selection
<ul style="list-style-type: none">• Characteristics of different groups of organisms
<ul style="list-style-type: none">• Ecosystems• Pollution and protecting the environment

METHOD OF ASSESSMENT

The examinations are at the end of the course:

Biology IGCSE

Paper 1 (**Paper code: 4BI1/1B**) - Theory (Core) – 2 hours 66.7%

Paper 2 (**Paper code: 4BI1/2B**) - Theory (Extended) – 1 hour 33.3%

CAREER OPTIONS

A wide variety of careers make use of the knowledge you have gained in IGCSE Biology – Agriculture, Archaeology, Beautician or Hairstylist, Business and Commerce, Food Science, Genetic Counselling, Horticulture, Law, Medicine, Occupational Therapy, Physiotherapy, Sports Science, Teaching, Veterinary Science.