

# IGCSE BIOLOGY - 0610

## Why should I choose Biology?

- There are a huge range of careers in biological sciences.
- You will learn how your body works and how to keep it healthy.
- Biology develops your analytical thinking and an awareness of the scientific method.
- You will be better informed about scientific matters that affect your life and the world around you.
- You will develop an interest in, and ability to care for, the environment.
- You will be able to take an informed interest in scientific matters.
- You will develop an understanding of the scientific skills essential for further scientific study.

## Course Content

The course is taught over two years and one term as students will start studying Biology IGCSE as soon as they have finished their Checkpoint examinations in Year 9. The course includes a diverse range of Biological topics including:

Year 9 and 10: Characteristics and classification of living organisms; Movement in and out of cells; Biological molecules; Enzymes; Plant and human nutrition; Transport in plants and animals; Diseases and immunity; Gas exchange and respiration; Excretion in humans; Coordination and response.

Year 11: Drugs; Reproduction; Inheritance; Variation and selection; Organisms and their environment; Human influences on ecosystems; Biotechnology and genetic engineering

## How will I learn?

A variety of learning methods are used throughout the course which include practical work, presentations, group-work, audio-visual tasks, field research, essay writing and self-assessment.

## How will I be assessed?

There are three examination papers with papers 2 and 4 testing your understanding of the content covered and paper 6 assessing your practical knowledge. Paper 2 has 40 multiple-choice questions (45 minutes and worth 30% of the total marks) and paper 4 is a structured questions test (75 minutes and 50% of the total). Paper 6 is an alternative to practical tests that tests practical technique, data handling and analytical skills (60 minutes and 20% of the total).