

Biology

A-Level

Overview

Biology A-Level will give you the skills to make connections and associations with all living things around you. Biology literally means the study of life and if that's not important, what is?

Why Study?

Being such a broad topic, you're bound to find a specific area of interest, plus it opens the door to a fantastic range of interesting careers.

Salters-Nuffield Advanced Biology (SNAB) looks at Biology through up-to-date real-life contexts and makes innovative use of ICT. We use traditional teaching methods, practicals and the resources and teaching animations from the SNAB online website to cover the course content in an exciting and novel way.

The SNAB course uses real-life scenarios as a context for each chapter. This enables pupils to see the importance of each topic to everyday life as well as to understand how the subject matter inter-relates. These topics include the ever increasing problem of cardiovascular disease, the ethics behind genetic testing and why extinction is on the rise.

Course Overview

First year:

- Q Lifestyle and health
- Q Genes and proteins
- Q DNA and development
- Q Biodiversity and natural resources





Second year:

- Q Ecology, conservation and evolution
- Q Infection, immunity and forensics
- Q Physiology and energy
- Q Nervous and hormonal control, learning and the brain

Progression

The range of possible careers that use biology are far too numerous to list. However they include: Medicine, nursing, physiotherapy, biotechnologist, marine biologist, microbiologist, conservation officer, pharmacologist, research scientist, teacher, technician, researcher, pathologist, forensic scientist, dentist, dental hygienist, genetic counsellor, neuroscientist, orthotist, optician, Vet, Veterinary nurse, Zoologist, environmental health officer, Ecologist, pharmacist, botanist and science journalist.

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