

BIOLOGY

Subject Description

The course allows learners to understand and investigate the living world in an engaging and enjoyable way. It develops learners' abilities to think analytically, creatively and independently, and to make reasoned evaluations. The Course provides opportunities for learners to acquire and apply knowledge to evaluate biological issues, assess risk, and make informed decisions. This enables learners to develop an informed and ethical view of complex issues. Learners will be able to develop their communication, collaborative working and leadership skills, and be able to apply critical thinking in new and unfamiliar contexts to solve problems.

Course Content

S3 Biology consists of 3 main units of work:

- 1) Biodiversity and Interdependence:
Interdependence amongst species, Plants, Respiration and Nutrient cycles
- 2) Body Systems and cells:
Cell structure, Use of microbes in Industry, Respiratory System, Digestive System, Cell division and therapeutic uses of cells, Coordination, Animal behaviour and Stem cells
- 3) Inheritance, Growth and Reproduction:
Growth in organisms, Asexual reproduction, Sexual reproduction, Variation, Genetics, Selective Breeding

Pupils are expected to undertake regular homework exercises in addition to revision.

Progression and Pathways

This course provides an important foundation to support the entry to National 4 or National 5 Biology courses.