

# Course Description

## Biology

### Course Description

#### Module 1 -Development of practical skills in Biology

Skills of planning, implementing, analysis and evaluation

#### Module 2- Foundations in Biology

Cell structure, proteins, cell division, cell diversity and cellular organisation

#### Module 3- Exchange and transport

Exchange surfaces, transport in animals, and transport in plants

#### Module 4- Biodiversity, evolution and disease

Communicable diseases, prevention and the immune system. Biodiversity, classification and evolutions

#### Module 5- Communications, homeostasis and energy

Communication, excretion, homeostasis, communication, photosynthesis and respiration

#### Module 6- Genetics, evolution and ecosystems

Cellular control, patterns of inheritance, manipulating genomes, ecosystems, cloning and biotechnology, populations and sustainability

### Entry Criteria

**Separate Science.** Students must have a Grade 7 in the Science they wish to study with at least a 6 in the others. Students must have a Grade 6 in Mathematics.

**Combined Science.** Students must have a Grade 7 in Combined Science with at least a Grade 6 in Mathematics.

Students who do not meet the above criteria can still be considered, subject to a Head Start Test in their first lesson in September.