

BIOLOGY

This information is meant for form 2 students and their parents as an aid for choosing biology as an option at secondary level.

Biology is the study of life and so it provides information to questions that stem from curiosity about the things we observe. Such observations raise many questions such as:

Why are plants green?

What is causing the greenhouse effect? What can be done about it?

Why are vitamins important for children?

What makes grapes turn into wine?

How does a female become pregnant?

Why do we pant after doing some heavy exercise?

Why do lizards bask in the sun early in the morning?

Why do frogs have moist skin?

The biology curriculum is designed to include student investigations, site visits, fieldwork activities and discussions that deepen student understanding of life processes. There are four biology lessons per week, two of which always take place in the laboratory. The biology option groups include only a maximum of 16 students – this offers better possibilities for effective student-teacher interaction in class.

The biology curriculum focuses on three main strands:

- Human biology
- Plant biology
- Environmental biology.

The biology syllabi for forms 3/4/5 have been designed to provide opportunities to students to develop scientific knowledge, skills and competences. These enable students to solve problems and make decisions in everyday life based on sound scientific attitudes. Students are given ample opportunities to observe, ask questions, formulate and test hypotheses, analyse, interpret data, report and evaluate findings.

Biology offers opportunities to work in the following careers:

Agricultural biologist, bacteriologist, biotechnologist, brewing industry, dentist, doctor, ecologist, environmental biologist, farming manager, geneticist, nurse, ophthalmologist, pathologist, pharmacist, scientist, science teacher, vet, etc.