

Biology 9

Time: 6 x 35 minutes per week

Course Description:

The grade 9 IGCSE Biology course introduces students to general scientific concepts. The curriculum deals with the general characteristics and biochemical processes in living organisms and aims to develop students' skills and abilities in Biology as well as a sense of caring for the environment and awareness of the applications of science. Attention is drawn to the relevance of biological concepts to nature and everyday life using theoretical and practical (experimental) approaches. The course encourages students to take an investigative approach to learning.

Resources:

**Mary Jones and Geoff Jones (2015), IGCSE Biology, Cambridge University Press, UK.
Biology Matters GCE O Level Workbook (2 Edition)**

Main Topics Covered:

Semester 1

- Characteristics and classification of living organisms
- Organisation and maintenance of organisms
- Movement in and out of cells
- Biological molecules
- Enzymes
- Plant nutrition

Semester 2

- Human nutrition
- Transport in plants
- Transport in animals
- Diseases and immunity
- Gas exchange in humans
- Respiration
- Excretion in humans

Assessment

Internal Assessment	Weighting
<ul style="list-style-type: none"> • End of Semester Examinations report (SA1 + SA2) • Continual Assessment (CA1 + CA2 + CA3 + CA4) including: <ul style="list-style-type: none"> - Topic tests - Assignments - Lab reports 	25 + 45 10 + 5 + 10 + 5
	100