



2021 Syllabus

Objective: to provide a general idea about the concepts that may appear in the competition

Scope: the syllabus covers the major concepts that are critical to holistic understanding of Biology.

What it is not: the syllabus is not meant to be exhaustive or detailed.

Secondary Junior (Grades 7 - 9); **Secondary Senior** (Grades 10 - 12)

Areas	Concepts
Cells	Organelles; Metabolism; Macromolecules; Energy; Transport; Function
Genetics	Information; Heredity; Central dogma; Reproduction; Conservation; Evolution; Diversity
Plants	Structure; Life cycle; Stimuli; Energy; Systematics
Animals	Organ system; Organization; Homeostasis; Metabolism
Ecology	Ecosystem; Environment; Diversity; Interdependence; Organization
Others	...