

10th Grade Syllabus

A brief information about Biology topics for
each semester

ACADEMIC YEAR OF 2020-2021

BY KBS BIOLOGY DEPT



**Cambridge Assessment
International Education**

Cambridge International School



1st Semester

1. Cell and cell processes

- 1.1 Characteristics of living organisms
- 1.2 Concept and use of a classification system
- 1.3 Features of organisms
- 1.4 Dichotomous keys
- 2.1 Cell structure and organization
- 2.2 Levels of organization
- 2.3 Size of specimens
- 3.1 Diffusion
- 3.2 Osmosis
- 3.3 Active transport
- 5 Enzymes

2. Animal Nutrition

- 4 Biological molecules
- 4 Biological molecules (food tests)
- 7.1 Diet
- 7.2 Alimentary canal
- 7.3 Mechanical digestion
- 7.4 Chemical digestion
- 7.5 Absorption

3. Plant nutrition and transport

- 6.1 Photosynthesis
- 6.2 Leaf structure
- 6.3 Mineral requirements
- 8.1 Transport in plant
- 8.2 Water uptake
- 8.4 Transpiration
- 8.4 (S) Translocation



2nd Semester

1. Cell and cell processes

- 1.1 Characteristics of living organisms
- 1.2 Concept and use of a classification system
- 1.3 Features of organisms
- 1.4 Dichotomous keys
- 2.1 Cell structure and organization
- 2.2 Levels of organization
- 2.3 Size of specimens
- 3.1 Diffusion
- 3.2 Osmosis
- 3.3 Active transport
- 5 Enzymes

2. Animal Nutrition

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3. Plant nutrition and transport

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