

SENIOR FIVE TERM ONE

Topic 1: Cell Biology

- Sub-Topic 1: Cell Structure and Microscopy
- Sub-Topic 2: Diversity of Specialised Cells and Tissues
- Sub-Topic 3: Chromosomes
- Sub-Topic 4: Cell Division and Chromosome Concept
- Sub-Topic 5: Protein Synthesis.

Topic 2: Chemicals of Life.

- Sub-Topic 1: Acids, Bases and Salts
- Sub-Topic 2: Water
- Sub-Topic 3: Structure of Carbohydrates
- Sub-Topic 4: Structure of Lipids
- Sub-Topic 5: Structure of Proteins.
- Sub-Topic 6: Vitamins
- Sub-Topic 7: Enzymes

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Topic 3: Cell Physiology

- Sub-Topic 1: Movement In and Out of Cells.

Topic 4: Levels of Organisation and Diversity of Life

- Sub-Topic 1: Diversity of Living Things
- Sub-Topic 2: Viruses (Akaryotae).
- Sub-Topic 3: Kingdom Monera
- Sub-Topic 4: Kingdom Protocista.
- Sub-Topic 5: Kingdom Fungi.
- Sub-Topic 6: Kingdom Plantae
- Sub-Topic 7: Kingdom Animalia

Topic 5: Ecology

- Sub-Topic: Components of the Environment
- Sub-Topic 2: Concept of Ecosystem
- Sub-Topic 3: Population and Natural Resources.
- Sub-Topic 4: Interdependence
- Sub-Topic 5: Effects of Human Activities on Ecosystems

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Topic 6: Inheritance and Evolution

- Sub-Topic 1: Genetics
- Sub-Topic 2: Chromosomes and Genes
- Sub-Topic 3: Variation
- Sub-Topic 4: Population Genetics
- Sub-Topic 5: Origin of Life
- Sub-Topic 6: Mechanisms of Evolution
- Sub-Topic 7: Evidence of Evolution
- Sub-Topic 8: Selection and Speciation

Topic 7: Transport

- Sub-Topic 1: Necessity for Transport Systems
- Sub-Topic 2: Water as a Medium in Plants and Animals.
- Sub-Topic 3: Circulatory Systems in Animals
- Sub-Topic 4: Defence against Diseases
- Sub-Topic 5: Vascular System of Flowering Plants

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Topic 8: Nutrition.

- Sub-Topic 1: Autotrophic Nutrition
- Sub-Topic 2: Heterotrophism

Topic 9: Gaseous Exchange.

- Sub-Topic 1: Principles of Gaseous Exchange Systems
- Sub-Topic 2: Gaseous Exchange in Plants
- Sub-Topic 3: Gaseous Exchange in Animals

Topic 10: Respiration

- Sub-Topic 1: Respiration

Topic 11: Homeostasis

- Sub-Topic 1: General Principles of Homeostasis.
- Sub-Topic 2: Regulation of Glucose
- Sub-Topic 3: Regulation of Respiratory Gases
- Sub-Topic 4: Temperature Regulation
- Sub-Topic 5: Excretion
- Sub-Topic 6: Osmoregulation

SENIOR SIX TERM TWO

Topic 12: Coordination

- Sub-Topic 1: Concepts of Reception and Response in Plants
- Sub-Topic 2: Plant Hormones
- Sub-Topic 3: Response and Behaviour in Animals
- Sub-Topic 4: General Principles of Reception and Response in Animals.
- Sub-Topic 5: Nervous Coordination in Animals.
- Sub-Topic 6: Hormonal Coordination in Animals.

SENIOR SIX TERM THREE.

Topic 13: Support and Movement

- Sub-Topic 1: Support Systems in Plants and Animals
- Sub-Topic 2: Muscles
- Sub-Topic 3: Movement / Locomotion

Topic 14: Reproduction, Growth and Development.

- Sub-Topic 1: Asexual Reproduction
- Sub-Topic 2: Sexual Reproduction in Animals
- Sub-Topic 3: Sexual Reproduction in Lower Organisms and Plants
- Sub-Topic 4: Growth and Development.