

## Online 1:1 Summer Classes (Biology for Grade 9 & 10)

#### **WEEK 1**

### **Introduction To Biology And Biochemistry**

- Characterstics Of Living Organism
- Classification Of Living Organism
- "Introduction To Biochemical Molecules
- (Carbohydrates, Lipids, Protiens And Nucleic Acids)"

#### **WEEK 2 & 3**

### **Human Anatomy And Physiology**

- Homeostatis
- Skeletal System
- Muscular System
- Nervous System
- Respiratory System
- Digestive System
- Endocrine System
- Circulatory System
- Integeumentary System

#### **WEEK 4**

### **Cell Cycle And Cell Division**

- Cell Structure And Function
- Cell Cycle (Mitosis And Meiosis)
- Significance Of Cell Division



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#### WEEK 5

### **Plant Physiology**

- Introduction To Plant Physiology
- Plant Structure And Function
- Photosysnthesis
- Environmental Adaptations

#### WEEK 6

#### Genetics

- Introduction To Genetics
- Gregor Mendle And The Laws Of Inheritance
- Genotype And Phenotype
- Dna Structure

#### WEEK 7

### **Ecology**

- Level Of Organization
- Habitat And Niche
- Food Chain And Food Web
- Human Impact On Ecosystem

#### **WEEK 8**

#### **Evolution**

- Darwin Theory Of Natural Selection
- Evidence Of Evolution
- Human Evolution

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#### WEEK 9

### **Personal Health And Hygine**

- Personal Hygine
- Nutrition And Balanced Diet
- Mental Health And Stress Management
- Body Image And Self Esteem



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