



## Class 6th Biology

### **Description:**

The Science Syllabus is elegantly designed such that it introduces the basic concepts of Science and its importance in our daily life. It will make the foundation strong for the higher classes. The Biology section focuses on concepts like food, bodily movements, surroundings of living organisms, garbage, etc.

### **Start Date:**

### **Doubt Clear Time:**

### **Course Time:**

### **Features:**

# Self Paced Videos

# Completion Certificate

### **What we learn:**

# Food - Where does it come from?

# Components of Food

# Getting to know Plants

# Body Movements

# The living organisms and their surroundings

# Water

**Requirements:**

# System with Internet Connection

# Interest to learn

# Dedication

**Instructor:**

**Name:**

Dr Nishtha Jain

**Description:**

I am a doctor by profession but a teacher by passion. I have been into the teaching profession for the last 3 years. I have been and am still a mentor for various courses which include technical as well as non-technical ones. These include MS-Excel, Tableau, Computer basics, Biology, English, etc. I love to learn, explore and share my knowledge to whatever extent possible. Being an ardent educator, I have always helped all my students and will continue to do the same.

**>Food - Where does it come from?:**

>>Lecture 1 : Introduction and food sources

>>Lecture 2 : Major food components & Foods from Plants

>>Lecture 3 : Animals' characteristics and their foods

>>Lecture 1 - NCERT Solutions

### **>Components of Food:**

>>Lecture 1 : Introduction & Different tests

>>Lecture 2 : Role of various nutrients - Vitamins

>>Lecture 3 : Minerals, Roughage & Water

>>Lecture 4 : Balanced Diet & Deficiency Diseases

>>Lecture 1 - NCERT Solutions

### **>Getting to know Plants:**

>>Lecture 1 : Herbs, Shrubs, Trees, Creepers and Climbers

>>Lecture 2 : Parts of a plant - Stem

>>Lecture 3 : Parts of a plant - Leaf

>>Lecture 4 : Parts of a plant - Roots, Flowers & Pollination

>>Lecture 1 - NCERT Solutions

>>Lecture 2 - NCERT Solutions

### **>Body Movements:**

>>Lecture 1 : Human Body (Bones, Joints and Cartilage)

>>Lecture 2 : Types of Joints

>>Lecture 3 : - Xray, Skull, Shoulder bones, Ribs and Rib cage

>>Lecture 4 : - Bones of hands, Pelvic Bones, Muscles - 1

>>Lecture 5 : Bones of hands, Pelvic Bones, Muscles - 2

>>Lecture 6 : Gaits of Animals - Earthworm & Snail

>>Lecture 7 : Gaits of Animals - Cockroaches & Birds

>>Lecture 8 : Gaits of Animals - Fish & Snakes

>>Lecture 1 - NCERT Solutions

## **>The living organisms and their surroundings:**

>>Lecture 1 : Introduction, Basic Characteristics

>>Lecture 2 : Types of habitats and adaptations

>>Lecture 3 : Terrestrial habitats

>>Lecture 4 : Aquatic habitats

>>Lecture 1 - NCERT Solutions

## **>Water:**

>>Lecture 1 : Introduction, Sources & Uses of Water

>>Lecture 2 : - Evaporation, Transpiration

>>Lecture 3 : - Water Cycle, Clouds, Rainfall

>>Lecture 4 : Groundwater, Water table

>>Lecture 5 : Floods, Droughts and their consequences

>>Lecture 6 : - Water shortage, Ways of conserving water and increasing its availability

>>Lecture 1 - NCERT Solutions

>>Lecture 2 - NCERT Solutions

## **>Garbage In, Garbage Out:**

>>Lecture 1 : Introduction

>>Lecture 2 : Biodegradable and Non-biodegradable wastes

>>Lecture 3 : Vermicomposting

>>Lecture 4 : Plastics, Paper recycling, minimise garbage & plastics

>>Lecture 1 - NCERT Solutions

>>Lecture 2 - NCERT Solutions