

**NOIDA PUBLIC SCHOOL  
HALF YEARLY SYLLABUS (2024-25)  
CLASS XI (SCIENCE)**

**English Core**

Unseen passages, Note making  
Writing - Advertisement, Poster designing, Speech writing  
Grammar- Editing/ Omission, Reordering of sentence  
Literature  
Hornbill - We're not afraid to die., Discovering Tut saga continues., The Adventure, Voice of the Rain, The Laburnum Top  
Snapshots- - The Address, Birth

**Physics**

Chapter 1 – Units and Measurement.  
Chapter 2 – Motion in a Straight Line.  
Chapter 3 – Motion in a Plane.  
Chapter 4 – Laws of Motion.  
Chapter 5 – Work , Energy and Power.  
Chapter 6 – System of Particles and Rotational Motion.

**Chemistry**

Chapter 1. Some Basic Concepts of Chemistry  
Chapter 2. Structure of Atom  
Chapter 3. Classification of Elements and Periodicity in Properties  
Chapter 4:- Chemical Bonding and Molecular Structure  
Chapter 5:- Chemical Thermodynamics

**Mathematics**

Chapter 1 - Sets.  
Chapter 2 - Relations and Functions.  
Chapter 3 - Trigonometric Functions.  
Chapter 4 - Complex Numbers and Quadratic Equations.  
Chapter 5 - Linear inequalities  
Chapter 6 - Permutations and Combinations

**Biology**

Chapter 1. living world  
Chapter 2. Biological classification  
Chapter 3.Plant Kingdom  
Chapter 4. Animal Kingdom  
Chapter 5.Morphology of flowering plants  
Chapter 14. Breathing and exchange of gases  
Chapter 15.Body fluids and circulation  
Chapter 16.Excretory products and their elimination

**Computer science**

Chapter 1 Computer System Over view  
Chapter 2 Data Representation  
Chapter 3 Boolean Logic  
Chapter 4 Introduction to Problem Solving

Chapter 5 Getting Started with Python  
Chapter 6 Python Fundamentals  
Chapter 7 Data Handling

### **Physical Education**

Chapter 1 Changing trends and career in Physical education  
Chapter 2 Olympic Value education  
Chapter 3 yoga  
Chapter 4 Physical education and Sports for Children with special needs

### **Psychology**

Chapter 1 What is Psychology?  
Chapter 2 Methods of Enquiry in Psychology  
Chapter 3 Human Development  
Chapter 4 Sensory, Attentional and Perceptual Processes