

VIKAS BHARATI PUBLIC SCHOOL
CLASS – XII (SCIENCE)
UT II SYLLABUS
2026-27

ENGLISH CORE

Section A: Comprehension passage

Section B: Invitations and reply to invitations

Section C: Literature

Poem- Keeping Quiet

Prose- The Tiger King (Vistas)

Journey to the end of Earth (Vistas)

Lost Spring (Flamingo)

CHEMISTRY

Unit 1 - Solutions

Unit 2 - Electrochemistry

BIOLOGY

Chapter 3: Reproductive Health

Chapter 4: Principles of Inheritance and Variation

PHYSICS

Chapter 2: **Electrostatic Potential and Capacitance**

Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).

Chapter 3: **Current Electricity**

Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical resistivity and conductivity, temperature dependence of resistance, Kirchhoff's rules, Wheatstone bridge.

MATHEMATICS

Chapter 3 - Matrices

Chapter 4 - Determinants

Chapter 6 - Application of Derivatives

INFOMATICS PRACTICES

Chapter 8 - Introduction to Structured Query Language (SQL) -Class XI NCERT

Chapter 1 - Querying and SQL Functions- Class XII NCERT

Chapter 2 - Data Handling using Pandas - I (Introduction to Python Libraries, Series)- Class XII
NCERT

PHYSICAL EDUCATION

1-Yoga as preventive measures for lifestyle diseases

2-Physical Education and sports for children with special needs

PSYCHOLOGY

Chapter 1 - Variations in psychological attributes

Chapter 2 - Self and Personality (except Personality Assessment)

ECONOMICS

Indian Economic Development

Chapter 1- India Economy on the eve of Independence

Chapter 2- Indian Economy 1950 - 90

Chapter 3 - New Economic policy 1991

MARKETING

Employability Skills

Unit 1 : Communication Skills-IV

Unit 2 : Self-Management Skills-IV

Unit 3 : ICT Skills-IV

Subject Specific Skills

Unit 1: Product

Unit 2: Price Decision

Unit 3: Place Decision: Channels of Distribution

YOGA

PART A- Ch-2 Self-management

PART B- Ch-2 Introduction to yoga texts