

SILVER POINT SCHOOL

**31/1, N. C. Chowdhury Road
Kolkata - 700 042**



**Syllabus for
CLASS - XI (SCIENCE)
2026 - 27**

SILVER POINT SCHOOL
31/1, N. C. Chowdhury Road, Kolkata - 42

SYLLABUS - 2026-27

Class - XI - SCIENCE

ENGLISH CORE

MIDTERM

Literature

Prose

1. The Portrait Of A Lady
2. We Are Not Afraid To Die
3. Discovering Tut, The Saga Continues
4. The Adventure
5. Silk Road
6. Summer Of the Beautiful White Horse

Poems

1. A Photograph
2. The Laburnum Top
3. The Voice Of the Rain
4. Childhood

Grammar

1. Prepositions
2. Sub verb Concord

3. Tenses
4. Phrasal Verbs
5. Determiners
6. Modals
7. Reported Speech

Writing Skills

1. Paragraph Writing
2. Classified Advertisements
3. Poster making
4. Formal Letter

POST MID TERM

1. The Adventure
2. Father To Son
3. The Address
4. Birth
5. Mother's Day
6. Father To Son
7. The Tale of a Melon City

Grammar & Writing Skills - same as Mid Term

Syllabus is subject to change as per the declaration by
CBSE Board

MATHEMATICS

MID TERM

Chapter 1 : Sets :

Fundamental concepts, subsets, universal set, operations on sets (union, intersection, difference, complement).

Chapter 2 : Relations and Functions :

Ordered pairs, relations, functions (one-to-one, onto) Composite functions and their inverses

Chapter 3 : Trigonometric Functions :

Angles, radians, trigonometric identities, graphs of trigonometric functions.

Chapter 5 : Complex Numbers and Quadratic Equations:

Introduction to complex numbers, algebra of complex numbers, quadratic equations.

Chapter 6 : Linear Inequalities :

Inequalities, solutions of linear inequalities in one and two variables.

Chapter 7: Permutations and Combinations :

Fundamental principle of counting, permutations, combinations, and their applications.

POST MID TERM

Chapter 8 : Binomial Theorem :

Statement and proof of the binomial theorem for positive integral indices, Pascal's triangle.

Chapter 9 : Sequences and Series :

Arithmetic Progression (AP), Geometric Progression (GP), sum of n terms, geometric mean.

Chapter 10: Straight Lines :

Slope of a line, different forms of equations of a line, distance of a point from a line.

Chapter 11 : Conic Sections :

Standard equations and properties of parabola, ellipse, and hyperbola

Chapter 12 : Introduction to Three - Dimensional Geometry:

Coordinates of a point in 3D, distance between two points.

Chapter 13 : Limits and Derivatives :

An intuitive introduction to limits and derivatives.

Chapter 15 : Statistics :

Measures of dispersion (range, mean deviation, variance, standard deviation).

Statement and proof of the binomial theorem for positive integral indices, Pascal's triangle.

Chapter 9 : Sequences and Series :

Arithmetic Progression (AP), Geometric Progression (GP), sum of n terms, geometric mean.

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An intuitive introduction to limits and derivatives.

Chapter 15 : Statistics :

Measures of dispersion (range, mean deviation, variance, standard deviation).

Chapter 16 : Probability :

Basic concepts, types of events, conditional probability, Bayes' theorem.

BIOLOGY

MID TERM

UNIT I

Diversity in the living World :

Chapter 1 : The living World

Chapter 2 : Biological Classification

Chapter 3 : Plant Kingdom

Chapter 4 : Animal Kingdom

UNIT II

Structural Organization in Plants and Animals

Chapter 5 : Morphology of flowering plants

Chapter 6 : Anatomy of flowering plants

Chapter 7 : Structural Organization in animals

Unit III

Cell Structure and Functions

Chapter 8 : Cell : The unit of life

Chapter 9 : Biomolecules

Chapter 10 : Cell cycle and cell division

POST MID TERM

Unit IV

Plant Physiology

Chapter 11 : Photosynthesis in Higher plants

Chapter 12 : Respiration in plants

Chapter 13 : Plant growth and development

Unit V

Human Physiology

Chapter 14 : Breathing and exchange of gases

Chapter 15 : Body fluids and circulation

Chapter 16 : Excretory Products and their elimination

Chapter 17 : Locomotion and movement

Chapter 18 : Neural control and coordination

Chapter 19 : Chemical coordination and integration

CHEMISTRY

MID TERM

Some Basic Concepts

Atomic Structure

Periodic Table

Chemical Bonding

Redox reactions

POST MID TERM

Thermodynamics

Chemical Equilibrium and Ionic Equilibria

Organic Chemistry : Some basic principles and techniques

Hydrocarbons

PHYSICS

MID TERM

1. Physical World
2. Units and Measurement
3. Motion in a Straight Line
4. Motion in a Plane
5. Laws of Motion
6. Work, Power and Energy
7. System of particles and rotational motion
8. Gravitation
9. Mechanical Properties of Solids

POST MID TERM

10. Mechanical Properties of Fluids
11. Thermal Properties of Matter
12. Thermodynamics
13. Behaviour of Gases and Kinetic Theory

14. Oscillations

15. Waves

(ECONOMICS 030)

MIDTERM

Part A: Statistics

1. Introduction
2. Collection, organisation, presentation of data

NCERT Ch: 1,2,3,4

Part B: Micro economics

3. Introduction
4. Consumer equilibrium and demand

NCERT: Ch: 12

POST MIDTERM

Statistics:

1. Collection
2. Organisation and presentation of data
3. Statistical tools and implementation

Micro economics:

1. Consumer's equilibrium
2. Producer behaviour and supply

3. Forms of market and price determination under perfect competition with simple applications

Includes All Chapters from Midterm

PAINTING THEORY

MIDTERM

Prehistoric Rock painting and art of Indus valley

Buddhist Jain and Hindu art

POST MID TERM

Temple sculptures bronze and artistic aspect of Indo Islamic architecture.

PAINTING (PRACTICAL)

MID-TERM

1. Object study
2. Nature Study
3. Portfolio Submission

POST MID-TERM

4. Composition Painting
5. Portfolio Submission

PSYCHOLOGY

MIDTERM

1. What is Psychology?
2. Methods of Enquiry in Psychology

3. Human Development
4. Sensory, Attentional and Perceptual Processes

POST MIDTERM

1. What is Psychology?
2. Methods of Enquiry in Psychology
3. Human Development
4. Sensory, Attentional and Perceptual Processes
5. Learning
6. Human Memory
7. Motivation and Emotion

BENGALI

MID TERM

সাহিত্য

গদ্য

১। তেলেনাপোতা আবিষ্কার ২। পুঁইমাচা

পদ্য

১। নুন ২। লালন শাহ ফকিরের গান

নাটক : আগুন

ভাষা :

১। বাচ্য পরিবর্তন

২। বাংলা শব্দভান্ডার (তৎসম, তদ্ভব, অর্ধতৎসম, দেশি-বিদেশি শব্দ)

সহায়ক : পঞ্চতন্ত্র : বই কেনা, আড্ডা

নির্মিতি : সংলাপ রচনা, বোধ পরীক্ষণ

POST MID TERM

साहित्य

गद्य : बिडाल

पद्य : १. साम्यवादी २. चरुण कवि

सहायक : १। आजब शहर कलकता

निर्मिति :

१। बोध परीक्षण २। गल्प थेके सारांश लिखन

HINDI

MID TERM

आरोह :

1. नमक का दारोगा
2. मियाँ नसीरुद्दीन
3. अपू के साथ ढाई साला
4. विदाई संभाषण
5. गलता लोहा
6. कबीर के पद
7. मीरा के पद
8. घर की याद
9. चम्पा काले अच्छर नही चिहनती

वितान : कुमार गन्धर्व

अभिव्यक्ति और माध्यम :

जनसंचार माध्यम

सृजनात्मक लेखन

व्याकरण :

1. अपठित गद्यांश
2. अपठित पद्यांश

3. निबंध लेखन

POST MID TERM

आरोह :

1. रजनी
2. जामुन का पेड़
3. भारत माता
4. आओ मिलकर बचाएँ
5. अवक महादेवी - (वचन, १,२)
6. अवतार सिं पाश
7. गलता लोहा
8. नमक का दारोगा
9. गजल

वितान : भारतीय कलाएँ

अभिव्यक्ति और माध्यम :

पत्राकारिता के विविध आयाम

डायरी लिखने की कला।

व्याकरण :

1. अपठित गद्यांश
2. अपठित पद्यांश
3. पत्र लेखन
निबंध लेखन