

**CLASS- IX**  
**SUBJECT- ENGLISH**  
**SYLLABUS - 2023-2024**  
**TERM I**

**Pre Term I**

**READING-**

Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:

1. Discursive passage (400-450 words)

**WRITING-**

1. Descriptive paragraph (Person)

**GRAMMAR**

1. Tenses
2. Subject-Verb Concord
3. Modals
4. Determiners
5. Reported Speech

**LITERATURE**

Questions based on extracts / texts to assess interpretation, inference, extrapolation beyond the text and across the texts.

Moments

1. The Lost Child

**Beehive**

Prose

1. The Fun They Had

**Poems-**

1. The Road Not Taken

**HALF YEARLY**

**READING-**

Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:

1. Discursive passage (400-450 words)
2. Case based Factual passage (with visual input/ statistical data/ chart) etc. 200-250 words

**WRITING-**

1. Descriptive paragraph (Word Limit 100-120 words) on a person/ event/ situation
2. Writing a Short Story (based on beginning line, outline, cues etc.)

**GRAMMAR**

1. Tenses
2. Subject-Verb Concord
3. Modals
4. Determiners
5. Reported Speech
6. Commands and Requests
7. Statements

## 8. Questions

### **LITERATURE**

Questions based on extracts / texts to assess interpretation, inference, extrapolation beyond the text and across the texts.

#### **Moments**

1. The Lost Child
2. The Adventures of Toto
3. Iswaran the Storyteller
4. In the Kingdom of Fools

#### **Beehive**

##### **Prose**

1. The Fun They Had
2. The Sound of Music
3. The Little Girl
4. A Truly Beautiful Mind

##### **Poems**

1. The Road Not Taken
2. Wind
3. Rain on The Roof
4. The Lake Isle of Innisfree

### **WORDS AND EXPRESSIONS (WORKBOOK)**

Units 1 to 6

## **TERM II PRE TERM II**

### **READING**

Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:

1. Case based Factual passage (with visual input/ statistical data/ chart etc. 200-250 words)

### **WRITING**

1. Diary Entry

### **GRAMMAR**

1. Subject-Verb Concord
2. Reported Speech
3. Commands and Requests
4. Questions

### **LITERATURE**

Questions based on extracts / texts to assess interpretation, inference, extrapolation beyond the text and across the texts.

#### **Moments**

1. The Happy Prince

#### **Beehive**

##### **Prose**

1. The Snake and the Mirror

## **Poems**

1. The Legend of the Northland

## **FINAL EXAMINATION**

### **READING-**

Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:

1. Discursive passage (400-450 words)
2. Case based Factual passage (with visual input/ statistical data/ chart etc. 200-250 words)

### **WRITING**

1. Descriptive Paragraph (Person/ Event/ Situation)
2. Story writing (based on beginning line, outline, cues etc.) / Diary Entry

### **GRAMMAR**

1. Tenses
2. Subject-Verb Concord
3. Modals
4. Determiners
5. Reported Speech
6. Commands and Requests
7. Statements
8. Questions

### **WORDS AND EXPRESSIONS (WORKBOOK)**

Units 1 to 6, 8, 10 and 11

### **LITERATURE**

Questions based on extracts / texts to assess interpretation, inference, extrapolation beyond the text and across the texts.

#### **Moments**

1. The Lost Child
2. The Adventures of Toto
3. Iswaran the Storyteller
4. In the Kingdom of Fools
5. The Happy Prince
6. The Last Leaf
7. A House is not a Home
8. The Beggar

#### **Beehive**

##### **Prose**

1. The Fun They Had
2. The Sound of Music
3. The Little Girl
4. A Truly Beautiful Mind
5. The Snake and the Mirror
6. My Childhood
7. Reach for The Top
8. Kathmandu
9. If I were You

##### **Poems**

1. The Road Not Taken
2. Wind

3. Rain on The Roof
4. The Lake Isle of Innisfree
5. A Legend of The Northland
6. No Men Are Foreign
7. On killing a Tree
8. A Slumber Did My Spirit Seal

- Subject to change as per the latest syllabus by CBSE.

**कक्षा नवीं- 2023 -2024**  
**प्री-टर्म -1**

**स्पर्श-गद्य-** दुःख का अधिकार

**स्पर्श-पद्य-** रैदास

**संचयन-** गिल्लू

**व्याकरण-** समास -द्वंद्व, द्विगु, सूचना, विज्ञापन, अर्थ के आधार पर वाक्य भेद( विधानवाचक प्रश्नवाचक निषेधवाचक विस्मयादिबोधक), अपठित गद्यांश

**अर्ध वार्षिक**

**स्पर्श-गद्य-** एवरेस्ट: मेरी शिखर यात्रा, दुःख का अधिकार, तुम कब जाओगे, अतिथि

**स्पर्श-पद्य-** रहीम, रैदास

**संचयन-** स्मृति, गिल्लू

**व्याकरण-** प्रत्यय,उपसर्ग, शब्द और पद, अनुस्वार, अनुनासिक,  
पत्र लेखन (अनौपचारिक), अनुच्छेद लेखन, संवाद लेखन, नारा लेखन, स्वर संधि, विराम-चिह्न,  
अपठित गद्यांश, पठित काव्यांश, पठित गद्यांश, चित्र- वर्णन

**प्री-टर्म -2**

**स्पर्श- गद्य-** वैज्ञानिक चेतना के वाहक; चंद्रशेखर वेंकटरमन, तुम कब जाओगे, अतिथि

**स्पर्श- पद्य-** गीत-अगीत

**संचयन-** कल्लू कुम्हार की उनाकोटी

**व्याकरण-** औपचारिक पत्र, समास- द्वंद्व, द्विगु, बहुव्रीहि, सूचना, विज्ञापन, अपठित गद्यांश

**वार्षिक परीक्षा**

**स्पर्श- गद्य-** दुःख का अधिकार, एवरेस्ट: मेरी शिखर यात्रा, अतिथि तुम कब जाओगे,

वैज्ञानिक चेतना के वाहक; चंद्रशेखर वेंकटरमन, शुक्रतारे के समान

**स्पर्श- पद्य-** अग्निपथ, खुशबू रचते हैं हाथ..., नए इलाके में, रैदास, रहीम, गीत-अगीत

**संचयन-** गिल्लू, स्मृति, कल्लू कुम्हार की उनाकोटी, मेरा छोटा-सा निजी पुस्तकालय

**व्याकरण -** विज्ञापन, सूचना, समास- द्वंद्व, द्विगु, बहुव्रीहि, कर्मधारय, लघुकथा, औपचारिक पत्र,  
वाक्य-रचना, अनुच्छेद, पठित काव्यांश, पठित गद्यांश, अपठित गद्यांश

नोट- As per C.B.S.E guidelines few topics can be added.



MOUNT ST. MARY'S SCHOOL, DELHI CANTT.

SYLLABUS (2023-24)

CLASS - IX

SCIENCE

PHYSICS

CHAPTER NO.	TOPIC
7	MOTION
8	FORCE AND LAWS OF MOTION
9	GRAVITATION
10	WORK AND ENERGY
11	SOUND

SYLLABUS DISTRIBUTION

**PRE-TERM – I (MAY): CHAPTER: 7**

**FIRST TERM(SEPTEMBER): CHAPTERS:7, 8 and 9 ( Till free fall)**

**PRE-TERM- II(DECEMBER): CHAPTER: 10**

**SECOND TERM(FEBRUARY): CHAPTERS: 7, 8, 9, 10, 11(entire syllabus)**

**TOPICS:**

**Motion:** Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.

**Force and Newton's laws :** Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.

**Gravitation:** Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.

**Floatation:** Thrust and Pressure. Archimedes' Principle; Buoyancy.

**Work, Energy and Power:** Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).

**Sound:** Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound; reflection of sound; echo.

**PRACTICALS:**

1. Determination of the density of solid( denser than water) by using a spring balance and a measuring cylinder.
2. Establishing the relation between the loss in weight of a solid when fully immersed in  
(a) tap water  
(b) Strongly salty water  
with the weight of water displaced by it by taking at least two different solids.
3. Verification of the laws of reflection of sound.

4. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).

## CHEMISTRY

**Theme: Materials**

**Unit I: Matter-Nature and Behaviour**

S.No	Chapter No	Topic
1	1	<b>Matter in our surroundings:</b> Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.
2	2	<b>Is matter around us pure:</b> Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).
3	3	<b>Atoms and Molecules: Particle nature and their basic units:</b> Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.
4	4	<b>Structure of Atoms:</b> Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.

### SYLLABUS DISTRIBUTION:-

#### PRE-TERM-I:

**CHAPTER: 1 Matter in our surroundings:** Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state, melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

#### FIRST TERM:

**CHAPTER: 1: Matter in our surroundings:** Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

**CHAPTER: 2: Is matter around us pure:** Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).

#### PRE-TERM-II:

**CHAPTER: 3: Atoms and Molecules: Particle nature and their basic units:** Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.

#### ANNUAL Examination:

**CHAPTER: 1: Matter in our surroundings:** Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.

**CHAPTER: 2: Is matter around us pure:** Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).

**CHAPTER: 3:Atoms and Molecules: Particle nature and their basic units:**Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses.

**CHAPTER: 4 Structure of Atoms:**Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.

### PRACTICALS

Practicals should be conducted alongside the concepts taught in theory classes.

#### (LIST OF EXPERIMENTS)

1. Preparation of:

- a) a true solution of common salt, sugar and alum
- b) a suspension of soil, chalk powder and fine sand in water
- c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency,filtration criterion,stability

2. Preparation of

- a) A mixture
- b) A compound

using iron filings and sulphur powder and distinguishing between these on the basis of:

- (i) appearance, i.e., homogeneity and heterogeneity
- (ii) behaviour towards a magnet
- (iii) behaviour towards carbon disulphide as a solvent
- (iv) effect of heat

3. Perform the following reactions and classify them as physical or chemical changes:

- a) Iron with copper sulphate solution in water
- b) Burning of magnesium ribbon in air
- c) Zinc with dilute sulphuric acid
- d) Heating of copper sulphate crystals
- e) Sodium sulphate with barium chloride in the form of their solutions in water

4. Determination of the melting point of ice and the boiling point of water.

5. Verification of the law of conservation of mass in a chemical reaction.

### BIOLOGY TERM- WISE SYLLABUS DISTRIBUTION

2023-24

<b>PRE- TERM 1</b>	<b>Cell: Fundamental Unit of Life (<i>excluding Cell Division</i>)</b>
<b>HALF- YEARLY</b>	<b>Cell: Fundamental Unit of Life</b>  <b>Plant Tissue</b>

<b>PRE- TERM 2</b>	<b>Animal Tissues</b>  <b>Improvement in Food Resources</b>
<b>FINAL TERM</b>	<b>Complete Syllabus</b>

**Mount St. Mary's School**  
**SOCIAL SCIENCE SYLLABUS**

**CLASS IX (2023-2024)**

(CODE NO. 087)

**HISTORY:**

1. The French Revolution
2. Socialism in Europe and the Russian Revolution
3. Nazism and the Rise of Hitler
4. Pastoralists in the Modern World

**GEOGRAPHY:**

1. India
2. Physical Features of India
3. Drainage
4. Climate
5. Natural Vegetation and Wildlife
6. Population

**POLITICAL SCIENCE:**

1. What is Democracy? Why Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions
5. Democratic Rights

**ECONOMICS:**

1. The Story of Village Palampur
2. People as Resource
3. Poverty as a Challenge
4. Food Security in India

**EXAMINATION SYLLABUS (2022-2023)**

**PRE TERM-I**

1. The French Revolution (HISTORY)
2. India- Size and Location (GEOGRAPHY)
3. The Story of Village Palampur (ECONOMICS)

**HALF YEARLY/ TERM I EXAMINATION:**

**HISTORY:**

1. The French Revolution
2. Socialism in Europe and the Russian Revolution



**POLITICAL SCIENCE:**

1. What is Democracy? Why Democracy
2. Constitutional Design
3. Electoral Politics

**GEOGRAPHY:**

1. India- Size and Location
2. Physical Features of India
3. Drainage
4. Natural Vegetation and Wildlife

**ECONOMICS:**

1. The Story of Village Palampur
2. People as Resource

**PRE TERM-II**

1. Nazism and the Rise of Hitler (HISTORY)
2. Working of Institutions (POLITICAL SCIENCE)
3. Climate (GEOGRAPHY)
4. Poverty as a Challenge (ECONOMICS)

**FINAL TERM/TERM II EXAMINATION:****HISTORY:**

1. The French Revolution
2. Socialism in Europe and the Russian Revolution
3. Nazism and the Rise of Hitler
4. Pastoralists in the Modern World

**GEOGRAPHY:**

1. India
2. Physical Features of India
3. Drainage
4. Climate
5. Natural Vegetation and Wildlife
6. Population

**POLITICAL SCIENCE:**

1. What is Democracy? Why Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions
5. Democratic Rights

**ECONOMICS:**

1. The Story of Village Palampur
2. People as Resource
3. Poverty as a Challenge
4. Food Security in India

## Class 9 Artificial Intelligence Syllabus – 2023-24

### Pre Term 1 Examination

#### Part B- Subject Specific Skills:

Unit 1 – Introduction to AI (upto Applications of AI in Real-life)

### First Term Examination

#### Part A - Employability Skills:

Unit 1 – Communication Skills -1

Unit 2- Self Management Skills-1

#### Part B- Subject Specific Skills:

Unit 1 – Introduction to AI

Unit 4- Introduction to Python ( up to if..elif..else)

Unit 2- AI Project Cycle –Problem Scoping.

#### Practical Examination

Unit 4- Introduction to Python (( up to if..elif..else)

### Pre Term 2 Examination

#### Part A - Employability Skills:

Unit 3- ICT Skills-I

#### Part B- Subject Specific Skills:

Unit 2- AI Project Cycle

Unit 4 Introduction to Python ( up to while loop )

### Final Term Examination

#### Part A - Employability Skills:

Unit 1- Communication Skills

Unit 2- Self Management Skills-1

Unit 3: ICT Skills-I

Unit 4- Entrepreneurial Skills-1

Unit 5: Green Skills-1

#### Part B- Subject Specific Skills:

Unit 1 – Introduction to AI

Unit 2- AI Project Cycle

Unit 3 -Neural Networks

Unit 4 Introduction to Python

#### Practical Examination

Unit 4 Introduction to Python

**MOUNT ST. MARY'S SCHOOL**

**SYLLABUS**

**CLASS-IX MATHS**

**SESSION -2023-24**

### PRE TERM 1

1. Coordinate Geometry
2. Heron's Formula

### **HALF YEARLY**

1. Coordinate Geometry
2. Linear Equations in two variables
3. Statistics
4. Number System
5. Heron's Formula
6. Lines and Angles
7. Triangles
8. Introduction to Euclid's geometry

### **PRE TERM 2**

1. Polynomials
2. Quadrilaterals

### **FINAL TERM**

1. Coordinate Geometry
2. Lines and Angles
3. Introduction to Euclid's Geometry
4. Number System
5. Polynomials
6. Linear Equations in two variables
7. Triangles
8. Heron's Formula
9. Statistics
10. Quadrilaterals
11. Circles
12. Surface Area and Volume

**NOTE: Activities and Assignments based on AIL (art integration learning) will be carried out every month.**