# AMARCHAND SINGHVI INTERNATIONAL SCHOOL

## CLASS XI A - GUIDELINES FOR POST MID TERM (DEC 2024)

## DATE SHEET & SYLLABUS

| Date | Day | Subject |
|------|-----|---------|
| **02.12.2024** | **Monday** | **Chemistry** |
| 03.12.2024 | Tuesday | Prep Leave |
| **04.12.2024** | **Wednesday** | **Mathematics/Biology** |
| 05.12.2024 | Thursday | Prep Leave |
| **06.12.2024** | **Friday** | **English Core** |
| 07.12.2024 | Saturday | Prep Leave |
| 08.12.2024 | | **Sunday** |
| **09.12.2024** | **Monday** | **Physics** |
| 10.12.2024 | Tuesday | Prep Leave |
| 11.12.2024 | **Wednesday** | **I.P./P.Ed/Entr./FND/Hindi Core** |

## SUBJECT: ENGLISH CORE (301)

| Literature | Hornbill | **Prose** – The Portrait of a Lady, We are not afraid to Die, Discovering Tut, The Adventure<br>**Poem**- A photograph, The Laburnum Top, The voice of the Rain, Childhood |
|------------|----------|-------------------------------------------------------------------------------------------------|
| | Snapshots | The Address, The Summer of a Beautiful White Horse, Mother's Day, Birth |
| Writing | | Classified Advertisement, Speech Writing, Debate Writing, Poster Making |
| Reading | | Reading Comprehension, Note Making, Summary |
| Grammar | | Gap-filling, Transformation and Reordering of the sentences |

## SUBJECT: PHYSICS (042)

| Chapter 5 | Work, Energy and Power |
|-----------|------------------------|
| Chapter 6 | System of Particles and Rotational Motion |
| Chapter 7 | Gravitation |
| Chapter 8 | Mechanical Properties of Solids |
| Chapter 9 | Mechanical Properties of Fluids |
| Chapter 10 | Thermal Properties of Matter |

# SUBJECT: CHEMISTRY (043)

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| Chapter 2 | Structure of Atom |
| Chapter 4 | Chemical Bonding and Molecular Structure |
| Chapter 5 | Thermodynamics |
| Chapter 6 | Equilibrium |
| Chapter 7 | Redox Reactions |

# SUBJECT: MATHEMATICS (041)

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|---|---|
| Chapter 7 | Binomial Theorem |
| Chapter 9 | Straight Lines |
| Chapter 10 | Conic Sections |
| Chapter 11 | Introduction to Three Dimensional Geometry |
| Chapter14 | Probability |

# SUBJECT: BIOLOGY (044)

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| Chapter 4 | Animal Kingdom |
| Chapter 5 | Morphology of Flowering Plants |
| Chapter 6 | Anatomy of Flowering Plants |
| Chapter 7 | Structural Organisation in Animals |
| Chapter 8 | Cell – The Unit of Life |
| Chapter 10 | Cell Cycle |
| Chapter 11 | Photosynthesis in higher plants |
| Chapter 12 | Respiration in Plants |
| Chapter 14 | Breathing and Exchange of Gases |

# SUBJECT: PHYSICAL EDUCATION (048)

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| Chapter 3 | Physical Fitness, Wellness and Lifestyle |
| Chapter 4 | Physical Education and Sports for CWSN |
| Chapter 5 | Yoga |
| Chapter 6 | Test, Measurement & Evaluation |
| Chapter 7 | Fundamentals of Anatomy, Physiology in Sports |
| Chapter 8 | Fundamentals Of Kinesiology And Biomechanics in Sports |

# SUBJECT: FOOD, NUTRITION & DIETETICS (834)

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| Chapter 5 | Concepts of Meal Planning |
| Chapter 6 | Nutrition during Infancy (0-1 years) and Preschool years (1-6 years) |
| Chapter 7 | Nutrition during Childhood and Adolescent |
| Chapter 8 | Nutrition during Adulthood and Old age |
| Chapter 9 | Nutrition during Pregnancy and Lactation |
| Chapter 10 | Human Development Index (HDI), Sustainable Developmental Goals (SDG): Basic Concepts |
| Chapter 11 | Malnutrition |
| Chapter 12 | Methods for assessment of nutritional status |

| Chapter 13 | Major Deficiency Disorder |
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| Chapter 14 | Other Nutrition Problems |
| Chapter 15 | Overweight/obesity |
| Chapter 16 | Non Communicable Diseases |

# SUBJECT: INFORMATICS PRACTICES (065)

| | Control Statements<br>Looping Constructs – for loop, while loop<br>Lists in Python<br>list operations - creating, initializing, traversing and manipulating lists<br>list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(),<br>reverse(), sort(), min(),max(),sum()<br>Dictionary<br>concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del, clear()<br>Database Concepts and Structured Query Language<br>Database Concepts: Introduction to database concepts and its need, Database Management System.<br>Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key, Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language<br>Introduction to MySQL, creating a database using MySQL, Data Types<br>Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER<br>Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS, NULL, IS NOT NULL<br>Data Manipulation: INSERT, DELETE, UPDATE |
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# SUBJECT: ENTREPRENEURSHIP (066)

| Unit 1 | Entrepreneurship Concept and Functions |
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| Unit 2 | An Entrepreneur |
| Unit 3 | Entrepreneurship Journey |
| Unit 6 | Business Finance and Arithmetic |

# SUBJECT: HINDI CORE (302)

| आरोहः गद्य खंडः | पाठ– 1 नमक का दारोगा – प्रेमचंद, पाठ–2 मियां नसीरुद्दीन–कृष्णा सोबती, पाठ–4 विदाई संभाषण–बाल मुकुंद गुप्त, पाठ–3अपू के साथ ढाई साल–सत्यजित राय |
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| पद्य खंडः | पद्य 2 – आरोहः गद्य खंडः पाठ–3अपू के साथ ढाई साल, पाठ 5 गलता लोहा, पाठ 7 रजनी<br>पद्य खंडः पद्य 5 घर की याद, पाठ 6 चंपा काले काले अच्छर नहीं चीन्हती, पद्य 7 गज़ल, वितानः पाठ – 3 आजलो आंधार बेबी हलदार |
| अभिव्यक्ति और माध्यमः | अपठित गद्यांश, अपठित पद्यांश, कार्यालयी लेखन और प्रकिया पाठ 2–डायरी लेखन, कथा–पटकथा |

# PAPER PATTERN

| Subject | (MM : 60) |
|---|---|
| **English** | **Reading - Unseen Passage – 16 M**<br>Unseen Passage – (1M × 8)<br>Note Making and Summary (5M + 3M)<br>**Writing – 8 M**<br>Classified Advertisement/Poster Making (3M),<br>        Speech Writing/ Debate Writing (5M)<br>**Grammar – 10 M**<br>1M × 10<br>**Literature – 26 M**<br>Extract based Questions- Prose-1M × 4<br>                     Poem-1M × 4<br>Short answer type questions - 2M × 4<br>Long answer type questions - 5M × 2 |
| **Physics, Chemistry and Biology** | 1M × 9 = 9 (MCQs)<br>1M × 3 = 3M (Assertion Reason)<br>2M × 4 = 8M (2 Case Based Question)<br>2M × 5 = 10M<br>3M × 5 = 15M<br>5M × 3 = 15M |
| **Mathematics** | 1M × 16 = 16M (MCQs)<br>2M × 3 = 6M<br>3M × 5 = 15M<br>5M × 3 = 15M<br>1M × 4 = 8M (MCQs - 2 Case Based Questions) |
| **I.P.** | 1M × 6 = 6M (MCQs)<br>1M × 10 = 10M (VSA Type Questions)<br>2M × 7 = 14M (Short Answer Type)<br>3M × 6 = 18M (Long Answer Type)<br>6M × 2 = 12M (Very Long Answer Type) |
| **Physical Education** | 1M × 15 =15M (MCQs, AR)<br>1M × 8 = 8M (2 Case Based Question)<br>2M × 5 = 10M<br>3M × 4 = 12M<br>5M × 3 = 15M |
| **Food Nutrition & Dietetics** | 1M × 15 = 15M (VSA – Employability Skills-5,<br>                Subject Specific Skills-10)<br>1M × 5 = 5M (True/False and corrected statement in case of false Statement)<br>1M × 5 = 5M (Assertion Reason)<br>2M × 4 = 8M (SA type Questions on Employability Skills)<br>2M × 5 = 10M (SA type Questions on Subject Specific Skills) |

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| | 3M × 3 = 9M (LA type Questions based on Subject Specific Skills)<br>4M × 2 = 8M (VLA type Questions) |
| **Entrepreneurship** | 1M × 15 = 15M (MCQs)<br>2M × 5 = 10M (Short Answer Type)<br>3M × 5 = 15M (Long Answer Type)<br>5M × 4 = 20M (very Long Answer Type) |
| **Hindi Core** | **Reading:** Unseen Passage 1M × 3 = 3M  (MCQ)<br>1M × 1 = 1M  (VSA type)<br>2M × 3 = 6M  (SA Type)<br>**Grammar:** 1 M × 5 = 5M (MCQ)<br>**Creative Writing** - 5M × 1 = 5M (Paragraph Writing)<br>5M × 1 = 5M (Letter Writing)<br>**Literature -**<br>1M × 10 = 10M  (MCQ)<br>1M × 1 = 1M  (VSA Type )<br>3M × 5 = 15M (LA Type - Based on Chapters)<br>3M × 3 = 9M (LA Type - Based on Poem) |