CMDAV SR SEC PB SCHOOL, M DABWALI

SYLLABUS FOR CLASS X

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ENGLISH** | | | | | |
| **Month** | **First Flight** | **Footprints Without Feet** | **Grammar** | **Writing Skills** | **Art/Sports Integration Activities** |
| April and May | 1. A Letter to God 2. Nelson Mandela: Long Walk to Freedom 3. Two stories about Flying    1. Dust of Snow    2. Fire and Ice    3. A Tiger in the Zoo    4. How to tell Wild Animals    5. The Ball Poem | 1. A Triumph of Surgery 2. The Thief’s Story 3. The Midnight Visitor | Gap Filling, Editing, Omission, Integrated Grammar | Formal  Letter-Writing | Project Work |
| July | 1. From the Diary of Anne Frank 2. Amanda | 1. A Question of Trust 2. Footprints without feet | Determiners, Tenses, Modals, Passive voice, Subject-verb Agreement, Integrated Grammar | Analytical Paragraph Writing | Listening Skills Portfolio |
| August | 1. The Hundred Dresses-I and II 2. Glimpses of India 3. The Trees 4. Animals | 1. The making of a Scientist 2. The Necklace | Reported Speech, Clauses, Prepositions, Integrated Grammar | Analytical Paragraph Writing | Dialogue Writing |
| September | Revision for Half yearly Exams | Revision for Half yearly Exams | Revision for Half yearly Exams | Revision for Half yearly Exams |  |
| October | 1. Mijbil the otter 2.Madam Rides the  Bus   1. Fog 2. The Tale of Custard the Dragon 3. For Anne Gregory | 1. The Hack Driver | Integrated Grammar (Revision) | Formal  Letter-Writing | Speaking Activity |
| November | 1. The Sermon at Benares | 1. Bholi 2. The Book that 3. Saved the earth | Integrated Grammar (Revision) | Formal  Letter-Writing |  |
| December | **Revision** | **Revision** | Revision | Revision |  |
| January | **Revision** | **Revision** | Revision | Revision |  |

|  |  |  |
| --- | --- | --- |
| MATHEMATICS | | |
| **MONTH** | **CHAPTERS** | **ACTIVITY**  **MATHS LAB ACTIVITIES,ART INTEGRATION,MULTIPLE ASSESSMENT** |
| **APRIL** | 1. **CH- 2. POLYNOMIALS** 2. **CH- 3. PAIR OF LINEAR EQUATIONS IN TWO VARIABLES** | 1. **TO FIND CONDITIONS OF CONSISTENCY/INCONSISTENCY OF A PAIR OF LINEAR EQNS IN TWO VARIABLES** 2. **FACTORISATION OF QUADRATIC POLYNOMIAL** |
| **MAY** | **1 CH-1.REAL NOS.**   1. **CH-14 STATISTICS** 2. **CH- 6 TRIANGLES** | **1.INCIRCLE OF A TRIANGLE BY PAPER FOLDING 2.PYTHAGORAS THEOREM PROJECT**  **3.TO UNDERSTAND THE CONCEPT OF SIMILAR TRIANGLES** |
| **JULY** | 1. **CH-4.QUADRATIC EQUATIONS** 2. **CH- 8 INTRODUCTION TO TRIGONOMETRY 3.CH-9.**   **SOMEAPPLICATIONS OF TRIGONOMETRY** | **1. TRIGONOMETRIC RATIOS OF SPECIAL ANGLES**  **2..CLINOMETER** |
| **AUGUST** | **1 .CH-5**  **ARITHMETIC PROGRESSIONS**   1. **CH -7 COORDINATE GEOMETRY** 2. **CH- 15. PROBABILITY** | 1. **PUZZLE ON PROBABILITY** 2. **TO FIND THE SUM OF FIRST N NATURAL NOS.** |
| **SEPTEMBER** | **1. CH- 12 AREAS RELATED TO CIRCLES** | **. 1 PPT ON CIRCLE** |
| **OCTOBER** | **1. CH-13 SURFACE AREAS AND VOLUMES.** | **1.TO VERIFY THE FORMULA OF TOTAL SURFACE AREA OF CYLINDER AND CONE** |
| **NOVEMBER** | **1.CH-10CIRCLES** | **1.TO VERIFY THAT LENGTHS OF TWO TANGENTS FROM AN EXTERNAL PPOINT ARE EQUAL** |
| DECEMBER | REVISION |  |
| JANUARY |  |  |
| FEBRURARY |  |  |

|  |  |  |
| --- | --- | --- |
| SCIENCE | | |
| **MONTH** | **TOPIC** | **ACTIVITIES** |
| **APRIL-MAY** | **NATURAL PHENOMENON**  **Light: Reflection and refraction** | **Activities of preparing ray diagrams using straw and sticks. Learning image formations on principal axis.**  **Lemon activity and pencil**  **bending activity of refraction in class.** |
| **JULY AND AUGUST** | **Human eye and colorful world and, Atmospheric refraction** | **To draw a 3-D model of human eye. Class presentations on defects of**  **eye.** |
| **SEPTEMBER** | **REVISION FOR HALF**  **YEARLY EXAM** |  |
| **OCTOBER** | **Unit IV: Effects of Current** | **To draw electric circuits of various components and study their connections in series and parallel**  **combinations.** |
| **NOVEMBER** | **Magnetic effects of current** | **To design an electromagnet. To design activities explaining the application of electromagnets.**  **To design electric motor**  **and generator.** |
| CHEMISTRY | | |
| **MONTH** | **TOPIC** | **ACTIVITIES** |
| **APRIL-MAY** | **Chemical reactions and**  **equation** | **Flash card activity of ions.** |
| **JUNE- JULY** | **Acids bases and salts** | **Comparison of natural indicators**  **PH of salt solutions** |
| **AUGUST** | **METALS AND NPN METALS** | **Activities demonstrating the physical and chemical properties of metals.**  **Designing Pneumonic of**  **reactivity series of metals.** |
| **SEPTEMBER** | **Revision** |  |
| **OCTOBER-NOVEMBER** | **CARBON AND ITS COMPOUNDS** | **Who am I ……activity with Functional groups**  **Tambola activity with isomers and IUPAC**  **nomenclature** |
| BIOLOGY | | |
| **MONTH** | **TOPIC** | **ACTIVITIES** |
| **APRIL-MAY** | Chapter 6: Life processes | * To prepare a temporary mount of a leaf peel to show stomata. * To show experimentally that carbon dioxide is given out during   respiration. |
| **JUNE- JULY** | Chapter 7: Control and Coordination | * **FLASH CARD ACTIVITY** * **ROLE PLAY** * **QUIZ** |
| **AUGUST-SEPTEMBER** | Chapter 8: How Do Organisms Reproduce? Chapter 9: Heredity and Evolution | * To study binary fission in Amoeba and budding in yeast * To identify different parts of Dicot seed (Pea, gram or red   kidney bean) |
| **OCTOBER-NOVEMBER** | Chapter 15: Our Environment | * **5’R PRESENTATION BY STUDENTS** * **RECYCLE THE**   **WASTE: PROJECT** |
| DECEMBER-JANUARY | REVISION |  |
|  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SOCIAL STUDIES | | | | |
| **Month** | **Topic** | **SubTopic** | | **Activities** |
| **April – May** |  |  | |  |
| History | Chapter- The Rise of Nationalism in Europe. | •  The idea of nation | | Book Review, Bio Sketch. |
| Geography | Chapter- Resources& Development. | •  Types of resources and the development. Soil and types of soil | | Debate on Conservation of Resources. |
|  | Chapter-Water Resources | •  Water Scarcity, Types of water resources, dams. | | Map Work and Poster or slogan on conservation of water resources (Art integration). |
|  | Chapter- Forest and Wild life  Resources |  | |  |
| Economics | Chapter- Development |  | | CASE STUDY |
|  | Chapter- Sectors of Indian Economy | Three sectors of production | | Reading Comprehension. |
| Political science | Chapter-Power sharing | •  Federal division of power in India | | Debate on Power Sharing |
| JULY |  |  | |  |
| History | Chapter-The age of Industrialization | Industrialization in the colonies | | Group Discussion |
| Geography | Chapter- Agriculture | Types of farming, Major Crops, Technological and Institutional Reforms. | | Map work – major crops (Art Integration) |
| Economics | Chapter-Money and Credit | Money Exchange  as  Medium  of | | Project on various types of Credit (Art Integration) |
| Political Science | Chapter-Federalism | Features of Indian Federalism, Indian Federalism, Decentralisation in India. | | Crossword Puzzle |
|  | Chapter-Democracy and Diversity (To be assessed in the Periodic Test Only) | Origin of Social differences, Overlapping and CrossCutting Differences. | |  |
| AUGUST | | | | |
| Political Science | Chapter-Gender, religion and caste | Gender and politics, women’s representation caste and politics, communication. | | Play/ Role play (Art Integration) |
| History | Chapter- Nationalism in India | Rowlatt Act Non-Cooperation movement | | Quiz |
| Geography | Chapter-Minerals resources  and  Energy | Classification and conservation of minerals. | | Crossword ,Case Study |
| Economics | Chapter-Globalisation and the Indian Economy. | •  Foreign trade and integration of market. | | Logo Activity(Art Integration) |
| Political Science | Chapter- Political Parties | National and Regional Parties. | | Collage Making |
|  | Chapter- Popular struggle and movement(to be assessed in the unit test only) | Democracy and Popular struggles. | |  |
| SEPTEMBER |  |  | |  |
| Geography | Chapter-Manufacturing Industries. | Classification of Industries | | Map work and Picture Comprehension(art integration) |
| Economics | Chapter-Globalisation and the Indian Economy | Struggle for fair Globalisation | |  |
| OCTOBER |  |  | |  |
| History | Chapter- Print modern World.  Culture  and the | The origin of Printing books  ,Print comes to india. | | Making of Chap book(art integration). |
| Geography | Chapter-Lifelines Economy  of  National | Means of transport and Communication. | | Travel Brochure. |
| Economics | Chapter- Consumer Rights (to be done as project) | Consumer movement and Consumer Rights. | | Role Play(art -integration) |
| Political Science | Chapter-Outcomes of Democracy | •  Democracy is accountable, responsive and legitimate government | | Debate |
|  | Chapter-Challenges to Democracy (to be assessed in the periodic test only) |  | |  |
| NOVEMBER | | | | |
| History | Chapter- The Making of a global world | Silk Route, World Economy |  | |
| Geography | Chapter-Lifelines of National Economy | Importance of Means of Transport, | Location of major ports and highways on the map | |
| Political Science | Challenges to Democracy (To be assessed in UT) | Challenges, Reforms Redefining democracy | Making of Travel Brochure(art – integration) | |
| DECEMBER-JANUARY REVISION | | | | |
| MARCH |  | | | |