Service Before Self

Salwan Public School, Gurugram

Session: 2021 – 2022

Academic Monthly Planner

(The content will be taught through online mode.)

Class IX

MONTH – JULY 2021

Subjects	Unit
English	**Beehive:** • My Childhood **Moments:** • Weathering the Storm in Ersama **Writing**: • Story Writing • Diary Entry **Grammar**: • Tenses
Hindi	**स्पर्श-** रहीम के दोहे, विराम चिह्न, एवरेस्ट मेरी शिखर यात्रा **व्याकरण-** अर्थ की दृष्टि से वाक्य भेद
Mathematics	**Chapter 6:** Lines and Angles **Chapter 7:** Triangles
Science	**Physics:** **Chapter 10:** Gravitation **Subject Enrichment Activity:** To plot the velocity–time (v – t) graph for an object moving with

SALWAN PUBLIC SCHOOL

	uniform accelerations from a given set of v – t data and to determine the acceleration of the moving object and the distance moved by the object: **<u>Chemistry:</u>** **Chapter 3:** Atoms and Molecules **<u>Biology:</u>** **Chapter 6:** Tissues (Contd.) • Animal Tissues and It's Types : – Epithelial Tissue – Connective Tissue – Muscular Tissue – Nervous Tissue **Chapter 7:** Diversity in Living Organisms **Activity:** • To study various types of simple plants, tissues using simulation. • To study various types of muscular tissues using simulation.
Social Science	**<u>Political Science:</u>** **Lesson 4:** Electoral Politics **<u>History:</u>** **Lesson 2:** Socialism in Europe and the Russian Revolution **<u>Economics:</u>** **Chapter 3:** Poverty as a Challenge **<u>Geography:</u>** **Lesson 2:** Physical Features of India
Information Technology	**RECAP: Part A:** Employability Skills Units **Part B: Unit 1:** Introduction to IT-ITeS industry
Artificial Intelligence	**RECAP: Part A:** Employability Skills Units. **Part B: Unit 1:** Introduction to AI; Subtopics: Excite, Relate, Purpose, Possibilities and AI Ethics

SALWAN PUBLIC SCHOOL

Salwan Public School, Gurugram
Session: 2021 – 22

Academic Monthly Planner

(The content will be taught through online mode.)

Class X

MONTH – JULY 2021

Subjects	Unit
English	• Analytical Writing **Footprints without Feet:** • The Hack Driver **Poem:** • The Tale of Custard the Dragon **Grammar:** • Subject Verb – Concord • Reported Speech, Statements, Questions • Tenses **Subject Enrichment Activity** – 1 ASL to be conducted Listening Skill to be assessed.
Hindi	**स्पर्श–** • मनुष्यता • अब कहाँ दूसरों के दुःख में दुखी होने वाले • पर्वत प्रदेश में पावस **रचनात्मक लेखन** – विज्ञापन निर्माण **व्याकरण**– समास **संचयन** – सपनों के से दिन

SALWAN PUBLIC SCHOOL

	Subject Enrichment Activity – 1 ASL to be conducted.
Mathematics	**Chapter 8: Introduction to Trigonometry (Contd…)** ● Trigonometry identities **Chapter 6: Triangles** ● Similar figures ● Thales Theorem ● Criteria of similarity of triangles. ● Areas of similar triangles. ● Proof of Pythagoras Theorem, its converse and problems based on these. **Lab Activity 7:** To verify Pythagoras theorem by the method of paper cutting and pasting.
Science	**<u>Physics:</u>** **Chapter13: Magnetic Effects of Electric Current** • Direct and Alternating current • Reasoning questions • Domestic electric circuit • Electric Fuse • Overloading • Short-circuiting • Earthing • Discussion of NCERT exercise **Practical -3:** To determine the equivalent resistance of two resistors when connected in series and parallel. Practice of practical based questions **Subject Enrichment Activity 1:** Based on practical 1-3 **Chapter 10 : Light –Reflection and Refraction** • Reflection of light • Laws of reflection • Spherical mirrors • Important terms related to spherical mirrors • Rules for image formation by concave mirror and convex mirror • Image formation by concave mirror • Image formation by convex mirror • Uses of mirror • Sign conventions for reflection by spherical mirrors

SALWAN PUBLIC SCHOOL

- Mirror formula
- Linear Magnification

Practical -4: To determine the focal length of concave mirror

Chemistry:

Chapter 3 : Metals and Non – Metals (Cont.)

- Formation and properties of ionic compounds
- Basic metallurgical processes
- Corrosion and its prevention
- Discussion of NCERT exercise

Practical –4: Observing the action of Zn, Fe, Cu and Al metals on the following salt solution: -

(a) $ZnSO_4(aq)$
(b) $FeSO_4(aq)$
(c) $CuSO_4(aq)$
(d) $Al_2(SO_4)_3(aq)$

- Arrange Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

Chapter : Carbon and its Compounds

- Covalent bonding in carbon compounds
- Versatile nature of carbon
- Homologous series
- Isomers

Subject Enrichment Activity – 1: Based on Practical 1- 3

Biology:

Chapter 7: Control & Coordination (Contd.)

- Types of hormones and their role in plants and animals
  (Hormonal System of Control and Coordination

Chapter 8: How Do Organisms Reproduce?

- Importance of reproduction to living organisms
- Role of DNA and importance of variation
- Types of reproduction in various organisms
- Asexual modes of reproduction in various organisms
- Sexual reproduction in plants-structure of the flower
- Pollination

SALWAN PUBLIC SCHOOL

	• Fertilization and seed formation • Human reproductive system • Human fertilization • Embryo formation • Placenta • STD's and contraceptive devices **Practicals:** 1. To study binary fission in Amoeba and budding in yeast using simulations. 2. To identify different parts of Dicot seed (Pea, gram or red kidney bean) **Subject Enrichment Activity – 1:** Based on Practicals 1 & 2
Social Science	**<u>History</u>** • Nationalism in India **<u>Economics</u>** • Money & Credit **<u>Geography</u>** • Agricultural
Information Technology	**Chapter 16: Linking, Sharing and Macros in Calc** • Setting up a spreadsheet for sharing.* • Opening and saving a shared spreadsheet. Recording changes. • Add, Edit and Format the comments. • Reviewing changes – view, accept or reject changes. Merging and comparing. • Using the macro recorder. Creating a simple macro. Using a macro as a function. • Passing arguments to a macro. • Passing the arguments areas values. • Macros to work like built-in functions. • Accessing cells directly. • Sorting the columns using macro. **Chapter 17: Introduction to Libre Office Base** • Concept and examples of data and information, • Concept of database,

SALWAN PUBLIC SCHOOL

	• Advantages of database, • Features of database, • Concept and examples of Relational database, • Concept and examples of field, record, table, database, • Concept and examples of Primary key, composite primary key, foreign key, • Relational Data base management system (RDBMS) software. • Introduction to a RDBMS • Database objects – tables, queries, forms, and reports of the database, • Terms in database – table, field, record, • Steps to create a table using table wizard, * • Data types in Base, • Option to set primary key Table Data View dialog box • DDL Commands

SALWAN PUBLIC SCHOOL