



WORK PLAN FOR THE MONTH August-2021
Class X

Dear Parents,

In this month your child will be able to learn the below mention:

ENGLISH:

Literature

Book: FIRST FLIGHT

Lesson 4 From the Diary of Anne Frank

Lesson 5 The Hundred Dresses 1

Learning Objectives:

- Learning to state the complex expressions.
- Use of literary devices.
- Learning the use of fewer words for more expressions.
- Vocabulary improvement.

English Grammar

Lesson 2 Modals

Lesson 7 Determiner

Learning Objectives:

- Developing language aptitude.
- Understanding the core concept with methods of solutions.
- Identifying new areas of language area.
- Improvements in write-ups.

Skills

1. Articulation
2. Expressing
3. Depicting
4. Reading

MATHS

Chapter - 6 Triangles

Learning objective:

- A triangle is one of the basic shapes of geometry. It is a polygon with 3 sides and 3 vertices/corners.
- Two triangles are said to be similar if their angles are equal and their corresponding sides are proportional.

Chapter- 7 Coordinates Geometry

Learning Objectives :

- To plot the points in coordinate plane. To apply distance formula to find the distance between two points.
- To use Section formula to find a point between two given points with a given ratio.

Chapter-8 Introduction to Trigonometry

Learning Objectives:

- Students will analyse the equation of a sine or cosine function to determine the amplitude, period, and transformations (translation and reflection).

Social Studies

History

Chapter 2: Nationalism in India

Learning objectives:

- Various nationalist movement, their pattern, cause, consequences
- Impact of all these incidents and role in bringing independence.

Geography:

Chapter:3- Water Resources

Chapter:4- Agriculture

Learning objectives:

- Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.
- Identify different dams in the country
- Importance of agriculture in national economy
- Different govt policies

Political Science:

Chapter- 4: Gender, Religion and Caste

Learning Objectives:-

- Gender and politics
- Patriarchal society
- Women's political representation
- Religion, communalism and politics
- Family laws
- Caste and politics
- Caste inequalities
- Social and religious diversity of India
- Urbanization, occupational mobility, caste hierarchy
- Caste and politics
- Caste inequality today
- Apartheid

Skills- 1)Elaborating 2)Discussion, 3)Reading, 4)Communication 5)Students will know about how caste based politics done into the society. 6)Aware about patriarchal society.

SCIENCE

Physics

Chapter: 10: Light (Refraction: Revision)

Chapter: 11: Human Eye & Colourful World

Learning Objectives:

- Revisiting concepts of refraction, reasons for it, refractive index (absolute and relative refractive index and their formulae), Real and apparent depth, Laws of refraction, study of refraction through Glass Slab. Revising terms specific to Spherical

Lenses: Centre of curvature, radius of curvature, Focus and focal Length, Pole and aperture of the mirror. How these terms differentiate from those of the spherical Mirrors and reasons thereof.

- Image formation specific to Convex and Concave Lenses for different positions of the objects: comparing and differentiating them from those of Concave & Convex Mirrors respectively..
- Sign conventions with respect to Convex and Concave Lenses and explanation of how different values will take a positive sign and certain other values will take a negative sign. Understanding these from a comparative point of view against Concave & Convex mirror, respectively.
- Mirror formula and Magnification in spherical mirrors and numerical problems based on them for practice and complete understanding of concepts. Understanding them against those of the spherical mirrors.
- Refraction in prism: dispersion of light, scattering of light, applications in life.
- Atmospheric Refraction | scattering of light: Its difference from other modes of refraction. Cause & effect of Atmospheric Refraction: Twinkling of stars, Early sunrise and delayed sunset. Scattering of light: reasons of occurrences: how is it different from atmospheric refraction? Effects of Scattering of light: Tyndal effect, Why sky looks blue, Why is color of sun crimson during sunrise and sunset as against the color of light during the day (at noon).
- **Practical: 1:** Determination of the focal length of (i) Concave mirror and (ii) Convex lens by obtaining the image of a distant object
- **Practical: 2:** Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

Skills:

- Enhancing cognitive Thinking (thru experiential & contextualized learning).
- Application of concept learnt in solving problems.
- Learning by self-questioning, applying reason & making logical conclusions.
- Making close observations, Analyzing and drawing Inferences

Biology

Chapter(NCERT-8)-How do organisms reproduce?

Learning objectives -

- Description of flower's parts
- Differences between asexual and sexual reproduction
- Importance of DNA copying in reproduction
- Description of human reproductive organs.
- Description of various birth control methods.

Chemistry

Chapter 5: Periodic Classification of its elements.

Learning objectives

- The students will learn how the chemical elements are arranged on the Periodic Table.
- Students will be able to arrange the elements on the Periodic Table.
- Students will learn about some of the important chemical and physical properties of the elements.

HINDI

क्षितिज - गद्य पाठ:3 लखनवी अंदाज

व्याकरण- पद परिचय, रस

व्यवहारिक ज्ञान- विद्यार्थियों को देश में व्याप्त भ्रष्टाचार को दूर करने के लिए प्रेरित करना ।
विद्यार्थियों के व्याकरणिक ज्ञान में वृद्धि करना

COMPUTER

Chapter- Cyber Ethics

Learning Objectives

- Students will learn about open source software, intellectual property rights, plagiarism, privacy, e commerce

ACTIVITIES OF THE MONTH
English Poem

The Ball Poem

What is the boy now, who has lost his ball,
What, what is he to do? I saw it go
Merrily bouncing, down the street, and then
Merrily over — there it is in the water!

No use to say 'O there are other balls':
An ultimate shaking grief fixes the boy
As he stands rigid, trembling, staring down
All his young days into the harbour where
His ball went. I would not intrude on him;
A dime, another ball, is worthless. Now
He senses first responsibility

In a world of possessions. People will take
Balls, balls will be lost always, little boy.
And no one buys a ball back. Money is external.



He is learning, well behind his desperate eyes,
The epistemology of loss, how to stand up
Knowing what every man must one day know
And most know many days, how to stand up.

दोहा

(1) तिनका कबहुँ ना निन्दिये, जो पाँवन तर होय,

कबहुँ उड़ी आँखिन पड़े, तो पीर घनेरी होय।

अर्थ :- कबीर कहते हैं कि एक छोटे से तिनके की भी कभी निंदा न करो जो तुम्हारे पांवों के नीचे दब जाता है। यदि कभी वह तिनका उड़कर आँख में आ गिरे तो कितनी गहरी पीड़ा होती है!

(2) जब मैं था तब हरी नहीं, अब हरी है मैं नाही ।

सब अँधियारा मिट गया, दीपक देखा माही ॥

अर्थ :- जब मैं अपने अहंकार में डूबा था – तब प्रभु को न देख पाता था – लेकिन जब गुरु ने ज्ञान का दीपक मेरे भीतर प्रकाशित किया तब अज्ञान का सब अन्धकार मिट गया – ज्ञान की ज्योति से अहंकार जाता रहा और ज्ञान के आलोक में प्रभु को पाया।

संस्कृत श्लोक

(1) विद्या मित्रं प्रवासेषु, भार्या मित्रं गृहेषु च।

व्याधितस्यौषधं मित्रं, धर्मो मित्रं मृतस्य च॥

अर्थ — विदेश में ज्ञान, घर में अच्छे स्वभाव और गुणस्वरूप पत्नी, औषध रोगी का तथा धर्म मृतक का सबसे बड़ा मित्र होता है।

(2) अभिवादनशीलस्य नित्यं वृद्धोपसेविनः।

चत्वारि तस्य वर्धन्ते आयुर्विद्या यशोबलं॥

अर्थ — बड़ों का अभिवादन करने वाले मनुष्य की और नित्य वृद्धों की सेवा करने वाले मनुष्य की आयु, विद्या, यश और बल ये हमेशा बढ़ती रहती है।