



**WORK PLAN FOR THE MONTH July-2021**  
**Class X**

Dear Parents,

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

**ENGLISH:**

**Literature**

Poem 1: Dust of Snow, Fire and Ice

Poem 2: A Tiger in the Zoo

Chapter 3: Two Stories about Flying

**Learning Objectives: Literature**

- Understanding of emotional component of the poem.
- Exploring various usage of literary devices.
- Acknowledging dialog writing pattern.
- Use of various articulation features.

**Grammar:**

Chapter 3: Present Perfect

Chapter 4: Present Perfect Continuous

**Learning Objectives: Grammar**

- Understanding the suitable arrangement of the sentence in Present context.
- Expressing various actions used in every day communication.
- Drafting method in present context.
- Use of various action words with different subjects

**Skills**

- Articulation
- Expressing
- Depicting
- Reading
- Grammar

**MATHS**

Chapter-4 Quadratic Equations

Chapter-5 Arithmetic Progression

Chapter-7 Coordinate Geometry

**Learning objective:**

- Solve quadratic equations by using the Square Root Property.
- Solve quadratic equations by Completing the Square.
- Find a formula for the general term of an arithmetic sequence.
- Calculate the nth partial sum of an arithmetic sequence.
- 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.

## **SOCIAL STUDIES**

### **History**

Chapter 2: Nationalism in India

#### **Learning objectives:**

- How nationalism took place in Indian movements.
- Different movements from different regions of the country.
- Pros and cons and its consequences took place in that era.

### **Geography:**

Chapter 2: Forest and wild life

Chapter 3: Water resources

#### **Learning objectives:**

- Importance of biodiversity with regard flora and fauna in India.
- Analyse and conservation
- Importance of water as resource and it's use and conservation.

### **Economics**

Chapter- Money and Credit

#### **Learning Objectives:**

- Money as a medium of
- Modern forms of money.
- Loan activities of banks
- Different credit situations
- Terms of credit
- Loan from cooperative
- Formal and informal sector credit in India
- Self help groups for the poor.

**Skills:** 1) Elaborate, 2) Reading, 3) The learners will understand the various indicators of loan activities within the country, 4) Analysing.

### **Civics:**

Chapter 3 Democracy and Diversity

#### **Learning Objectives:**

- A story from Mexico Olympics
- Differences, similarities, divisions
- Origin of social differences
- Overlapping and cross cutting differences
- Politics of social divisions
- Three determinants

**Skills:** 1) Reading, 2) Discussion, 3)Analysing 4)Appreciate the need to know the social differences and how to overcome these.

## **SCIENCE**

### **Physics**

Chapter: 10: Light (Refraction)

Chapter: 11: Human Eye & Colourful World

#### **Learning Objectives:**

- Understanding phenomenon 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 (experimentally, followed by theoretical deliberations).

- Understanding 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.
- How human-eye works (structure & functions) and forms images on retina: concept of Power of accommodation & Least distance of distinct vision.
- Understanding defects of eye: kinds, reasons & remedies with explanations
- Refraction of Light thru Glass prism (experimental treatise followed by theoretical explanations) and the associated concept of diffraction of light together with phenomenon of rainbow formation.
- Atmospheric Refraction: how is it different 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).

#### **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-Life processes

(According to NCERT Science, Chapter number-6)

Topic -Transportation and excretion

Chapter-Control and coordination (according to NCERT Science, chapter number is -7)

Topic -Animal nervous system

#### **Learning objectives -**

- function of different type of blood cells.
- Differences between Arteries and veins
- Diagrammatic structure of heart
- Description of blood circulation in human body
- Anatomical structure of kidney.
- Name of various type of excretory organs in different type of organisms.
- Diagrammatic structure of Nephron.
- What is Reflex action?
- Function of various parts of Human brain
- Diagrammatic structure of neuron
- Definition of synapse

## **Chemistry**

Chapter 2: Acids, bases and salts

### **Learning objectives**

- Students will revise about acids, bases and salts.
- Physical and chemical properties of acids and bases.
- Different types of salts, preparation and its uses.

## **HINDI**

क्षितिज - गद्य पाठ 2: बालगोबिन भगत

काव्य पाठ 4: उत्साह अट नहीं रही

कृतिका -जॉर्ज पंचम की नाक

**व्यवहारिक ज्ञान-**

विद्यार्थियों को देश में व्याप्त कुरीतियों एवं रूढ़िवादी को दूर करने के लिए प्रेरित आर करना ।

विद्यार्थियों को प्राकृतिक सौंदर्य से परिचित कराना

## **COMPUTER**

Chapter- More on HTML

Chapter-CSS

### **Learning Objectives**

- Tables in HTML
- Links in HTML
- Frames in HTML
- Use of CSS
- Difference between CSS and HTML

## 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 पाँवों 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।