



Delhi Public School JHANSI

Bhawna Nain
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WORK PLAN FOR THE MONTH OF APRIL & MAY- 2022 Class-X

Dear Parents,

In this month, your child will be able to learn:

ENGLISH:

First Flight

1. A letter to God
Footprints without feet
1. The Triumph of Surgery

Grammar

Tenses

Learning objectives:

To enhance reading and understanding skills

HINDI:

क्षितिज

गद्य- पाठ -1 नेताजी का चश्मा

काव्य- पाठ-1 सूर के पद

कृतिका-पाठ-1माता का आंचल

व्यवहारिक ज्ञान-

विद्यार्थी के लेखन कौशल वृद्धि करना

बाह्य आडम्बर को दूर करने के लिए प्रेरित करना



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MATHEMATICS:

Chapter 01: Real Number

Chapter 02: Polynomials

Learning objectives:

Classify a real number as a natural, whole, integer, rational, or irrational number.
Students will be able to differentiate between algebraic expression and Polynomials

SCIENCE:

Physics

Chapter: 10: Light: Reflection and Refraction of Light

Chapter: 11: Human Eye and the colourful world

Learning objectives:

- Property of light: Why and how light is an Electromagnetic radiation; Dual nature of light: How light behaves as a wave and phenomena supporting the wave nature of light; how light behaves as a beam (stream) of particles & phenomena supporting the particle nature of light and its wave nature. Why waves are represented as “sine wave”.
- Phenomena in nature and experiments supporting the fact light travels in a straight path; Reflection of light in a plane mirror; Laws of reflection (in a plane mirror). Properties of Image formation in a plane mirror; Problems based on properties of images in a plane mirror.
- Spherical Mirrors (Terminologies): Centre of Curvature, Pole, Radius Of Curvature, Principal Axis, Aperture, Principal Focus & Focal Length of Concave Mirror; Principal Focus & Focal Length of Convex Mirror; Sign Convention for Spherical Mirrors, Rules for tracing Images formed by Concave Mirrors, Image formation in Concave Mirrors, Measuring Focal Length of Mirrors. Mirror Formula, Magnification in Mirror; Numerical.



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- Refraction and Laws of Refraction; Lenses: types, their sign conventions, image formations, Lens Formula & magnification, Power of Lens, Prism and dispersion of light; Atmospheric Refraction, Scattering of light.

Chemistry

Chapter 01: Chemical Reactions and Equations

Chapter 02: Acid, Bases and Salts

Learning objectives:

- Differentiating physical and chemical change along with examples; Characteristics of a chemical reaction; representing chemical reaction with a chemical equation, balancing a chemical equation; Gathering information from a balanced chemical reaction; Types of chemical reactions: combination, Decomposition, Double decomposition, Neutralization and oxidation-reduction reaction. Effects of oxidation.
- Differentiating acids, bases and salt; Tests to distinguish between acids and bases and basic natural, synthetic and olfactory indicators; General characteristic properties of acids: their physical and chemical properties, Organic and inorganic (Mineral) Acids, Arrhenius definition of acids, Dissociation of ACIDS in water to form hydronium ions; Use of mineral acids in industry. General Characteristics of Bases: their physical and chemical properties; Difference between base and Alkali; Neutralization reaction between an a base and an acid; Mixing of bases with water: an exothermic process; Effect of dilution of "Hydroxide ion concentration" of a base; Deliquescent nature of Caustic Soda (NaOH) and Caustic Potash (KOH, Strong and weak acid and concept of pH.
- Salts and their formation; Families of salts: Chlorides, Nitrates, Sulphates; Carbonates; Normal salts and Acidic Salts; Monoprotic (Monobasic), Diprotic (Dibasic) and Triprotic (tribasic) etc.

Biology

Chapter 06: Life processes



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Learning objectives

Students will understand the structures and purpose of prokaryotic and eukaryotic cell.

Students will understand how these cellular components used to generate and utilised cell energy.

Students will apply their knowledge of cell biology to selected examples of changes and losses.

Student will understand the term Reproduction their types and Reproductive health and diseases.

They will understand about ecosystem, types of ecosystem, ozone depletion, biodegradable and non-biodegradable .

SOCIAL STUDIES:

History

- Chapter: The Rise of Nationalism in Europe
- Topic:
1. The French Revolution and the idea of Nation
 2. Nation State
 3. Modern State
 4. The making of Nationalism in Europe
 5. Liberalism and Conservatism
 6. The age of Revolutions (1830-1898)
 7. Frankfurt Parliament
 8. The making of Germany and Italy
 9. Nationalism and imperialism (Balkan Crisis)

Geography

- Chapter 01: Resources and Development
- Topic : Resources and types of resources.



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Topic : On the basis of origin
On the basis of Exhaustibility.
On the basis of Ownership.
On the basis of status of development.
Land Distribution Pattern of India.
Causes of land degradation
Bengar (old) and
Khadar (new)
Forest soil
Soil erosion
Causes of soil erosion
Soil conservation
Resource Planning

COMPUTER

Chapter 05: Introduction to webpage designing using html

Chapter 06: More Elements in HTML

Learning Objectives

How to create and save an HTML document. Basic structure of HTML

Changing font color, style and size

Use of important html tags

Creating list in html



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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.



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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।



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(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।

Thank you
Mrs. Reshma Vij
Class-X

