BRAJKISHORE KINDERGARTEN, CHHAPRA
Session – 2025 - 2026
Home Work for Summer Vacation
Class – IX

Name:…………………….............Sec………….Roll No…………

English

Read Chapter – 3, "The Little Girl" (Beehive)

Read Chapter – 3, "Iswaran The Storyteller" (Moments)

Memorise Chapter-1 & 2 (Beehive) and Chapter-1 & 2 (Moments)

Grammar : - Write the structures of Tenses with examples in your note book and memorise it.

Project: - Prepare a project on the poem "The Road Not Taken".

हिन्दी

1. (गद्य) पाठ – 1 – 'दो बैलों की कथा' लेखक परिचय एवं सभी प्रश्नोत्तर याद करें।

2. (पद्य) पाठ – 2 – 'साखियाँ एवं सबद' कवि परिचय एवं सभी प्रश्नोत्तर याद करें।

3. (व्याकरण) – उपसर्ग एवं प्रत्यय की परिभाषा तथा प्रत्यय के भेदों को याद करें।

4. (परियोजना कार्य) – 'प्रेमचंद' या 'कबीर' का संक्षिप्त परिचय लिखें तथा उनका चित्र बनाकर स्टिक फाइल में जमा करें।

Maths

Learn all the definitions of the following: -

(a) Natural numbers   (b) Whole numbers   (c) Integers

(d) Rational Numbers   (e) Equivalent Rational Numbers   (f) Irrational Numbers

(g) Terminating Decimal   (h) Recurring Decimals   (i) Parallel lines

(j) Transversal line   (k) Different types of angles

*Solve the following problems: -

(1) Express $83.8\overline{35}$ in the form of $\frac{p}{q}$.

(2) Find three rational and two irrational numbers between $\sqrt{2}$ and $\sqrt{3}$.

(3) Represent each of the numbers $\sqrt{2}$, $\sqrt{8}$ and $\sqrt{10}$ on the real line with proof.

(4) Represent $\sqrt{9.3}$ on the number line with proof.

(5) If $x = 2 + \sqrt{3}$, find the value of $x^3 + \frac{1}{x^3}$.

Science

Physics: -
1. What can you say about the motion of an object whose distance – time graph is a straight line parallel to the time axis?
2. What is the nature of the distance time graphs for uniform and non-uniform motion of an object?
3. Distinguish between speed and velocity.
4. When will you say a body is in (i) Uniform acceleration (ii) Non-Uniform acceleration.
5. An object travels 16 m in 4s and then another 16 m in 2s. What is the average speed of the object.

Chemistry: -
1. Give reasons for the following observation: -
   The smell of hot sizzling food reaches you several metres away, but yo get the smell from cold food you have to go close.
2. Covert the following temperatures to the kelvin scale
   (a) 25° C   (b) 373° C   (c) 250° C
3. Define the following terms: -
   (a) Condensatio   (b) Freezing   (c) Sublimation
4. What is evaporation? What are the factor affecting evaporation? Explain.

Biology –
1. Remember the cell structure of Animal Cell and Plant Cell.
2. Draw a neat labelled diagram of Animal Cell and Plant Cell.
3. Read the chapter 'Cell'.

Social Science

History - Read chapter –1 "The French Revolution" carefully and prepare notes for the same.

Geography – (i) Project Work – Draw the figure 1.3 (given in the book).
                     Topic – India: Extent and standard Meridian.
                (ii) Read chapter – 2 "Physical Features of India" carefully & prepare notes for the same.

Political Science: - (i) Project Work – Define democracy and features of democracy.
                        (ii) Read chapter – 2 "Constitutional Design" and prepare notes.

Economics - : (i) Read Chapter – 2 "People as Resource" and prepare notes.
                (ii) Prepare a project from "The story of Village Palampur."

Computer

1. Write Q. Ans. of Chapter - 1

2. Project Work : Basic Organization of a computer (Page no. – 21)