



**SUMMER VACATION ASSIGNMENT 2024-25**

CLASS  
IX



## ENGLISH

### **CREATIVE ZONE (DRAW A CHART)**

TOPIC	ROLL NUMBER
RULES OF MODALS	1-15
RULES OF SUBJECT VERB AGREEMENT	16-ONWARDS

### **PRODUCTIVE ZONE**

TOPIC	ROLL NUMBER
DRAFT A BIOSKETCH OF ROBERT FROST WITH PICTURE ON CHART PAPER	1-15
DRAFT A BIOSKETCH OF BISMILLAHA KHAN WITH PICTURE ON CHART PAPER	16-ONWARDS

### **विषय – हिंदी**

1- अपनी उत्तर -पुस्तिका के आकार की सादे पृष्ठों की एक परियोजना पुस्तिका बनाएँ जिसमें पाठ्यपुस्तक क्षितिज के रचनाकारों के रंगीन चित्र उनके नाम एवं उनकी कृतियों के नाम लिखें। सम्पूर्ण प्रस्तुति रचनात्मक, आकर्षक एवं रंगीन होनी चाहिए। परियोजना पुस्तिका का शीर्षक ' रचनाकार एवं उनकी कृतियाँ ' लिखें।

2- कलश के आकार के पृष्ठ काटकर उनमें दायीं तरफ समस्तपद, उसका समास - विग्रह लिखिए तथा बाएँ पृष्ठ पर उससे संबंधित चित्र लगाइए या बनाइए। समस्तपदों की संख्या दस ( 10) होनी चाहिए।

## MATHEMATICS

### 1. (PROJECT-1) SUSTAINABILITY COUNTS! ENERGY CHALLENGE

#### What to do:

Comparative study of consecutive electric bills

#### How to do:

1. Examine your electricity bill of pre summer break (for the month of April).
2. List the various electrical appliances used in your home.
3. Find out the power consumption, duration for the device in use. Do estimate calculation of your bill as per power consumption.
4. Make an energy reduction plan and determine how far you could implement it.
5. Re-examine your electricity bill of post summer break (May, June) with all calculations.
6. Paste both bills with calculations. Write your reduction plan and change in the bill Where to do: On A-4 size sheets

#### Parameters:

- (i) Content
- (ii) Presentation

(iii) Calculations

HINT: Power Consumption (Kwh) =  $\frac{\text{watt} \times \text{hour} \times \text{days}(30)}{1000}$

## **SCIENCE**

1. Prepare a PPT on the topic "conservation of energy" that should include the presentation of a working model along with principal involved, material required for construction procedure of construction and the contribution of this model for the benefit of society, if at all it is used as a technology. (Take the printout of the PPT).

OR

Under the supervision of an adult note the electric meter reading of your home at the beginning of the month of June as well as at the end of the month. Subtract the two readings to find the number of units of electrical energy consumed in the month (in KW-hr) and multiply with the per unit cost to find the monthly electrical bill for the month of June -2024.

(In the scrap book or file)

2. Download the road map between any two cities of India. Tie a knot at one end of the thread. Keep the knot at the position of one of the city A and move the thread along with the road to reach other city B. Put the mark on the thread on reaching to the other city B. Measure the length of the thread and multiply with the scale to get the distance. Next draw a straight line joining the two cities A and B. Measure the straight-line distance between the two cities and multiply with the same scale to get the displacement. (In the scrap book or file)
3. In a scrap book or file
  - a. Draw the different types of graphs showing different types of motion. (from motion chapter)
  - b. Draw the diagram of at least five examples showing Newton's third law of motion
  - c. Paste the picture of any ten musical instruments and write their name. In each of the instrument name the part or thing that vibrates to produce sound.

➤ COMPLETE PRACTICAL FILE.

## **SOCIAL SCIENC**

### **Project work - Disaster management.**

\*As per CBSE guidelines, students of Class IX have to submit a handwritten project on any one of the related topics on Disaster Management.

\*General Instructions:\*

1. The project should be hand written.
2. It should be well presented, researched, and pictorial.
3. Cover page, table of contents, acknowledgements, bibliography, headings and sub - headings are a must.
4. Each section should be done on white/coloured A4 size sheets.
5. The project should be presented in a file.
6. The project should not exceed 10-15 pages. \*[Do any one project]\*

\*Project should be developed in the following sequence:\*

- Cover page showing title, student information (Name, Class & Roll No) School & Academic Year.
- Acknowledgment & Preface.
- Introduction.
- List of Contents/ Index.
- Chapters with suitable headings. (supported with pictures.)
- Conclusion. (Summary, Benefits/ Importance of the task).
- Bibliography.

## **ARTIFICIAL INTELLIGENCE**

Q1. Make a chart on following AI topics (Any one)

1. Cyber security
2. Cyber crime
3. Sustainable Development Goal's
4. Evolution of NLP
5. Computer vision Applications

Q2. Collect the AI related latest news / images from recent News papers and paste it on a chart paper.