

ARWACHIN BHARTI BHAWAN SENIOR SEC. SCHOOL

HOLIDAYS HOMEWORK FOR SUMMER BREAK

CLASS – VIII

SESSION : 2026 - 2027

**1. English**



**\* Complete this work in English Portfolio and prepare the poster/model separately (Q-5).**

**1. Find the meanings: Brief, Complex, Concise, Crucial, Diverse, Explicit, Immense, Initiative, Lucid, Misconception, Nuance, Relevant, Simulate, Vigorous, Yield, Harmony, Insight, Momentum, Perspective, Transition.**

**2. Write a diary entry (approx. 150-200 words) about your summer vacation. Include:**

- Places visited**
- Activities enjoyed**

- Time spent with family/friends
- A memorable moment
- What you learned or achieved

**3. Many children in rural India drop out of school due to lack of access to quality education.**

**Answer in 150-200 words:**

- Why is education important for these children?
- How does this issue affect the community?
- What small action can YOU take to help address this issue?

**4. Read the supplementary book - Amber carefully.**

**Answer the following questions from Chapter 2 - A Christmas Carol :-**

**How did Mrs. Cratchit bring in the Christmas pudding?**

**What did the Ghost show Scrooge to indicate Tiny Tim's future?**

**5. Creativity Task:-**

**Choose one aspect of India's freedom struggle or patriotic values (e.g. freedom fighters, national symbols, unity in diversity).**

**1. Create a model or a poster on the chosen theme.**

**2. Write 8-10 lines in English explaining the importance of that theme and how it inspires patriotism today.**

**-Be creative with images, colors and slogans.**

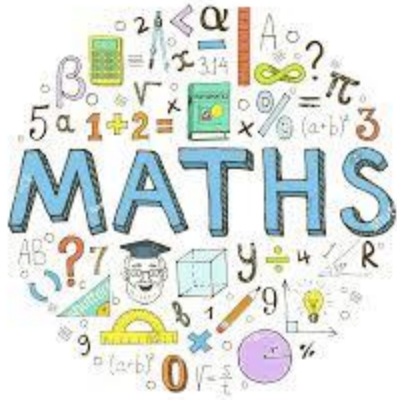
**6. Revise Unit Test – 2 Syllabus.**

## 2. Hindi



1. अपने आसपास के वृद्धाश्रम जाएं और वहां बुजुर्गों से बातचीत कर इस आकलन पर जाएं कि वृद्धाश्रम नए रिश्तों का आरंभ है या पुराने रिश्तों की समाप्ति  
इस पर एक संक्षिप्त अनुच्छेद लिखिए तथा वहां पर लिए गए चित्र भी साथ लगाएं।
2. A-3 साइज शीट पर उपसर्ग और प्रत्यय का सुंदर माइंड मैप बनाएं तथा उसमें रंगों का प्रयोग भी करें
3. श्रुतिसम भिन्नार्थक शब्दों पर एक आकर्षित वॉल हैंगिंग तैयार कीजिए
4. इकाई परीक्षा -2 पाठ्यक्रम में दिए गए शब्द भंडार (पाठ 5-10) में दिए गए सभी शब्द पर्यायवाची शब्द - (1-20)  
विलोम शब्द - (1-50)  
अनेकार्थी शब्द - (1-20)  
श्रुतिसम भिन्नार्थक शब्द (1-20)  
अनेक शब्दों के लिए एक शब्द (1-20)  
एकार्थक प्रतीत होने वाले शब्द (1-20)  
इन सभी को याद कर अपनी हिंदी की उत्तरपुस्तिका ने लिखिए।
5. कक्षा में अभी तक का कराया गया कार्य याद करें।

### 3. Mathematics



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#### **Maths Project work:-**

- 1. Make a project on Life history of any Indian Mathematician and his/her contribution in the field of Mathematics. (Use A4 size coloured sheet, coloured pens, etc. and paste it in a PORTFOLIO file.( Roll no.1-10)**
- 2. Prepare a working model on the concept pythagoras theorem. (Roll no.11-20)**
- 3.Prepare a game based model on square and square roots.(Roll no. 21-30)**
- 4. Art Integration Activity: Jewellery designs of different states/Tribes using maths shapes.(Roll no.31 and onwards)**

#### **Complete the following tasks during summer vacations;-**

- 1. Do computational thinking worksheet of CH- Squares and cubes, and Ch- Making sense of data as discussed in class and attach it in Computational thinking portfolio.**
- 2.Complete Applicative check of CH- Exponents on page no.39,47.**
- 3.Revise UT-2 syllabus.**

#### 4. Science



### **1. Write following activities in practical file and draw diagrams also.**

Chapter number Page number Activity number

7	102	2
7	103	3
7	105	4
7	106	6
8	123	3
9	137	2
9	143	5

### **2. Read Ch-8 (Nature of matter: Elements, Compounds and Mixtures) and Ch-9 (Solute, Solvents and Solutions) and try to frame 20 extra short questions from each chapter on pastel sheets and attach the sheets in your portfolio.**

### **3. Make a working model in following themes/sub-themes.**

Roll no. Topic/Theme/Sub-themes

1-10 Waste Management and Alternatives to Plastics

11-20 Water Conservation and Management

21-30 Health and Hygiene

31-44 Emerging technologies

4. Read Ch-3(Health: The ultimate treasure) do Activity -1 on pastel sheet in your portfolio.

### 5. Social Science



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#### Working model

1)EVM with VVPAT- How we vote - Roll no. (1to 20)

2) Earthquake Alarm- Disaster Management Roll no. (21 to 40)

Make a tribal mask from waste material

Solve the given worksheet in Social Science Register.

Weather Journal & Climate Change"

What to explore: Is your city really getting hotter?

Tasks:

1. Record daily temp, rainfall, AQI from phone for 15 days.

2. Interview grandparents: "Was summer this hot 20 years ago?"

3. Make bar graph of temp. Write 3 reasons for change + 3 things your family can do.

Wow factor: Compare your data with IMD website.

Do this in portfolio.

## 6. Sanskrit



- "पिता दिवस" पर अपने पिता जी पर कुछ पंक्तियों को संस्कृत में लिखे और फाइल में लगाए।
- इंटरनेट की सहायता से प्रिय क्रिकेटर के विषय में सामग्री संकलित कीजिए तथा चित्रों द्वारा अपनी प्रोजेक्ट फाइल में लगाए।
- स्लोगन या पोस्टर ( हानिकारक प्लास्टिक से बचाव विषय पर A-3 साइज शीट पर)

## 7. French



Choisissez une personnalité célèbre que vous admirez et présentez-la en français en 8 à 10 phrases. Collez une photo ou dessinez la personnalité.

Réalisez un modèle 3D basé sur la culture française (except Eiffel tower).

## **8. Coding / A.I.**



**1.Create a creative poster on “Use ofAI in Solving Environmental Problems.”Make it neat, colorful, and include examples like pollution control, wildlife protection. Use wings, slogans, or pictures to make it attractive.**

**2.Solve the attached worksheet carefully. Read all questions properly and Submit both the poster and worksheet after reopening of school.**

## A.I. – Worksheet : -

### A. Multiple Choice Questions.

1. AI helps in environmental protection by:

- a) Tracking wildlife populations
- b) Predicting pollution levels
- c) Detecting plastic waste
- d) All of the above

2. No-code AI tools allow users to:

- a) Program AI models using coding
- b) Train AI models without coding
- c) only analyse text data
- d) Replace teachers completely

3. AI can predict future health risks by analysing a patient:

- a) Favourite movies
- b) Medical history and lifestyle habits
- c) Social media posts
- d) Travel destinations

4. Which environmental problem can AI help solve by analysing satellite images of rivers and oceans?

- a) Soil degradation
- b) Plastic pollution
- c) Air pollution
- d) Water shortage

5. An example of AI in smart homes is:

- a) Self-driving cars
- b) Voice-controlled appliances
- c) Tracking wildlife populations
- d) Predicting diseases

## **B. Fill in the Blanks**

- 1. AI-powered \_\_\_\_\_ can answer health questions and remind patients to take medicines.**
- 2. Satellites and sensors help AI detect \_\_\_\_\_ pollution in oceans and rivers.**
- 3. AI in education can provide \_\_\_\_\_ learning tailored to each student's needs.**
- 4. Wearable devices allow AI to perform \_\_\_\_\_ patient monitoring.**
- 5. Platforms like \_\_\_\_\_ allow students to train AI models without coding.**

## **9. Drawing**



**- Make traditional art /craft of Sikkim.**

**- Make Coasters (minimum 4, shape-square, circle) using Dot Mandala Art on cardboard/MDF board.**

