



BHAVDIYA PUBLIC SCHOOL AYODHYA
SUMMER VACATION HOMEWORK (2025-26)
CLASS-IX

ENGLISH

1. Write an article about your favorite English poet or an author with their life achievements and details.
 2. Prepare an advertisement booklet of five different products & write their details like weight, ingredients, specialty & MRP. Make catchy captions and slogans to advertise it. Use scrapbook pages for making the booklet.
 3. Visit a restaurant or a cafe and write a detailed review in an A4 sheet covering its services, food, facilities etc. and suggestions for future.
- Attach your photograph from the same restaurant or cafe with your article. (Make it creative)

MATHS

Do research and make a project on any one of the given topics

1. Ramanujan number (1729)
2. Mathematical Crosswords
3. To prepare a list of quotations on mathematics.
4. Magic squares
5. A working model on any topic related to Mathematics.

Note

- Use A4 sheet or graph sheet or chart paper only.
- Don't share your project with other students.
- Project should be art integrated.
- Don't use plastic cover or files, your project will be ecofriendly.
- Last page of your project should contain 10 simple Questions/Answers based on your project.

SOCIAL SCIENCE:

HISTORY

1. Find out more about one of the revolutionary figures that you have read about in the chapter French Revolution. Write a short biography of this person.
2. List down the political symbols of France with figure and complete the given worksheet in your fair copy.

POLITICAL SCIENCE

1. Write the features and administrations of 2 democratic and 2 non-democratic countries of the world. (Do it in your copy page wise)

GEOGRAPHY

1. Make a project file from chapter 'Physical Features of India' on India's physical features could focus on various aspects of the country's landforms, including the 'Himalayan Mountains', 'Northern Plains', 'Peninsular Plateau', 'Indian Desert', 'Coastal Plains' and Islands. (Do it in a 'Lace File' on A4 size paper)

Project Structure

Introduction - A brief overview of the project's topic and objectives.

Body - Detailed information on the chosen features, including formation, characteristics, significance, and impact.

Conclusion - A summary of the key findings and a reflection on the importance of physical

features in India.

ECONOMICS

1. Make a list of economic and non-economic activities from your localities or surrounding and paste it in your economics copy.
2. Classify the Following into- Physical Capital, Working Capital and Human Capital.
Seeds & fertilizers, Shopping Complex, Reliance Industries, Fuel used by farmer, Car is used by travel agency. Coal, cement & bricks in construction work Doctors, Farmers, Politicians, Airports & railway, wheat is used by flour mill to make bread.

HINDI:

1. एन.सी.ई.आर.टी. द्वारा रचित फिल्म ' नर्मदा पुत्र हरिशंकर परसाई ' देखकर समीक्षात्मक रिपोर्ट तैयार कीजिए।
2. भक्ति काल में ललदयद के अतिरिक्त तमिलनाडु की आंदाल, कर्नाटक की अक्क महादेवी और राजस्थान की मीरा जैसी भक्ति कवयित्रियों के बारे में जानकारी प्राप्त कीजिए एवं उस समय की सामाजिक परिस्थितियों के बारे में लिखिए।

SCIENCE

CHEMISTRY:-

Activity-Based Homework (Simple, Hands-On)

1. Observation of Change in States of Matter

Objective: Show melting, freezing, condensation, and evaporation.

Materials: Ice cubes, a glass, water, a spoon, and a heating source.

Instructions: Observe how ice melts into water and how water evaporates. Record temperature changes and time.

2. Evaporation Rate Comparison

Objective: Compare how fast water evaporates under different conditions.

Materials: 3 cups of water, fan, sunlight, room temperature.

Instructions: Measure and compare the time taken for evaporation.

3. Effect of Surface Area on Evaporation

Objective: Understand how surface area affects evaporation.

Materials: Water, a plate, a bowl, and a glass.

Instructions: Pour equal amounts of water and observe evaporation speed.

4. Model Making: States of Matter

Make a 3D model showing solid, liquid, and gas particles using clay or thermocol balls.

BIOLOGY:-

1. Plant a sapling at your home and record its growth weekly. Update the same in your biology practical copy.
2. Solve the intext and exercise questions from the chapter fundamental unit of life cell.

PHYSICS:

1 ACTIVITY – CHART MAKING

Prepare the chart and explain the given topic with proper diagram and illustrations.

Roll no 1 to 09 --- Describe the various types of motion.

Roll no 10 to 18 --- Describe the uniformly accelerated motion.

Roll no 19 to 27 --- Derive the three equations of motion for uniformly accelerated motion using

graphical method.

Roll no 28 to 36--- Describe the uniform circular motion.

2 Have you ever experienced that the train in which you are sitting appears to move while it is at rest?

• Share your experience.

3 The times of arrival and departure of a train at three stations A, B and C and the distance of stations B and C from station A are given in Table 7.4.

Plot and interpret the distance-time graph for the train assuming that its motion between any two stations is uniform.

4 Feroz and his sister Sania go to school on their bicycles. Both of them start at the same time from their home but take different times to reach the school although they follow the same route. Table 7.5 shows the distance travelled by them in different times

Plot the distance-time graph for their motions on the same scale and interpret.

5 Solve all the In-text questions and exercise questions of motion chapter in your copy.

ARTIFICIAL INTELLIGENCE

As part of your summer break learning activities, you are required to attend a Bootcamp Webinar on Artificial Intelligence (AI). To ensure you are well-prepared and can actively participate in the session you are assigned a project-based homework to be completed before the webinar.

Objective:

To enhance your understanding of Artificial Intelligence and explore its real-life applications creatively.

Homework Task:

You are required to choose any one of the following project topics and prepare a short presentation/report/video/poster (your choice) on it.

1. Introduction to Artificial Intelligence

What is AI?

Types of AI (Narrow, General, Super AI)

Examples in daily life

2. AI Tools You Can Try

Explore any beginner AI tool or platform (like Teachable Machine, ChatGPT, etc.)

Share your experience and learning

3. AI in Entertainment

Use of AI in video games, movies, and music

Personalized recommendations (Netflix, YouTube, etc.)

4. Future Careers in AI

What jobs will be available in AI

Skills needed for an AI career

Presentation Format:

PPT (5–8 slides) OR

Report (300–500 words) OR

Creative Poster (Handmade)

Daily Mindfulness and Self-Management Task

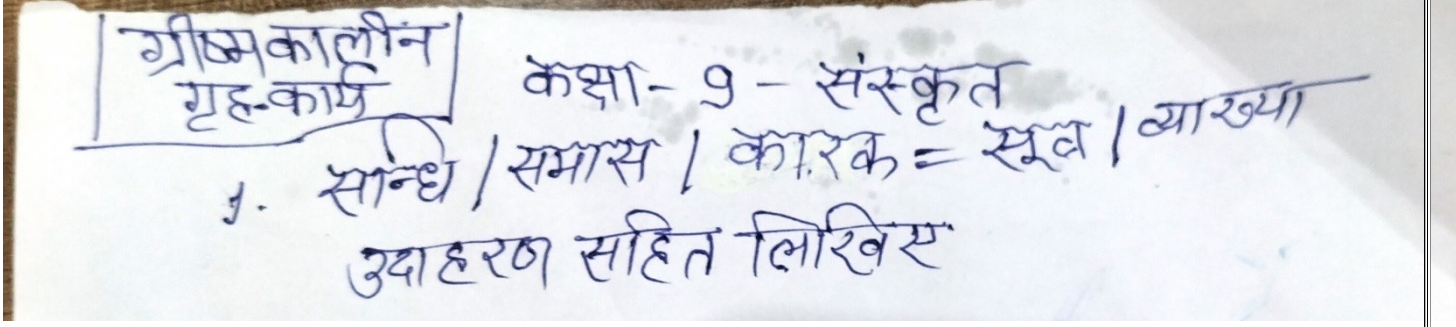
To support your personal growth and mental well-being:

Practice 5–10 minutes of meditation daily (you may use apps like Medito, Headspace, or simply sit quietly focusing on your breath)

Maintain a self-reflection journal and write weekly entries on:

Your strengths & Your weaknesses

How you are improving your self-discipline, focus, or stress management.



Note: Do all written homework of all the subjects except charts/posters/modals in fair Notebook only.