



B.V.M. PUBLIC SCHOOL

GRADE: IX

SUMMER BREAK HOLIDAYS HOMEWORK

(2025-26)



Dear Parents

Vacations are the most appropriate time for kids to refresh and rejuvenate themselves, to be creative and to learn new skills.

Children have ample energy, which should be channelized in the right direction to get the best out of them. We have designed holiday homework, keeping this in mind. It will build their confidence and new skills.

GENERAL INSTRUCTIONS: -

- ✓ *Eat healthy food daily and drink lots of water and juices.*
- ✓ *Read every day. Watch less TV/mobiles.*
- ✓ *Good manners are essential for success. Always respect your parents, grandparents, and all elders.*
- ✓ *Appreciate nature by taking long walks in a park or garden with your family and friends.*
- ✓ *Do your homework neatly and on your own.*
- ✓ *Revise the previous work.*

SUBJECT: ENGLISH

COMMUNICATIVE ENGLISH

Part A: Literature Project Work

Chapter: How I Taught My Grandmother to Read

Author: Sudha Murty

Book: Literature Reader – Communicative English

Instructions: Create a neat and well-organised project file for the chapter.

Include the following:

1. Cover Page – with your name, class, roll number, and school name
2. Acknowledgement
3. Certificate
4. Index/Table of Contents
5. About the Author – Sudha Murty
6. Summary of the Story
7. Character Sketch of the Grandmother
8. Message or Moral of the Story
9. Your Personal Reflection – What did you learn from the story?
10. Any related drawing or printed image (optional)
11. Bibliography

Part B: Workbook Practice

Complete the following in your English Workbook:

1. Verb Forms – All exercises related to the correct forms of verbs
2. Modals – Practice exercises related to modals like can, could, should, must, may, etc.
3. Do pages no 8 to 19 in the Main Course Book

Note:

- Use a pencil to complete all workbook exercises so you can correct them during class discussion.

Part C: Syllabus Revision for UT-1

1. Literature Reader (Communicative English):

Chapter 1- How I Taught My Grandmother to Read – Sudha Murty

Chapter 2 - A Dog Named Duke – William D. Ellis

Poem 1 - The Brook – Alfred Lord Tennyson

2. Grammar:

- **Tenses and Modals**

3. Writing Skills:

- **Notice Writing and Descriptive paragraph**

HINDI

1. एक भारत, श्रेष्ठ भारत विषय पर एक चार्ट बनाएं तथा उसे थर्मोकॉल शीट पर चिपकाएं।
2. एक भारत श्रेष्ठ भारत विषय पर 5 नारे A 4 साइज शीट पर लिखें।
3. आगामी प्रथम इकाई परीक्षा की तैयारी करें।

MATHS

1. Solve Ch-1, 3 and 10 in the holiday homework notebook
2. Complete lab activities 1 to 6.
3. DESIGN A CITY – REAL-LIFE COORDINATES

Instructions:

- A. Take a graph paper and draw the x-axis and y-axis. Mark the origin (0, 0).
- B. Use all four quadrants to design a mini city with at least 5 locations from the list below:
 - Home
 - School
 - Hospital
 - Park
 - Library
 - Mall

- Police Station
- Bus Stop

C. Place each location at a unique coordinate. For example:

- Home at $(-3, 2)$,
- School at $(4, 1)$

D. Mark each location with a symbol or icon, and label it with its name and coordinates.

E. After completing your city map, write the coordinates of all locations you used.

4: SELF-REFLECTION

Write a short paragraph on:

“How learning coordinate geometry helps me in real life.”

(Use examples like maps, games, city planning, etc.)

Instructions for Students:

- This assignment will be assessed as part of your Subject Enrichment (SE) marks.
- Follow the guidelines carefully.
- Submit your work in a well-organised file or folder after the holidays.
- You may use graph paper, colours, and creative presentation.

SOCIAL SCIENCE

1. Project on Disaster Management. (Instructions are given below)
2. Find out more about any one of the revolutionary figures you have read about in this chapter. Write a short biography of this person. (ch-1 The French Revolution)
3. On the Political Map of India locate all the Indian state with their capital.
4. Write down the Preamble of the Indian Constitution on A -3 Size sheet.
5. **Revise the syllabus of UT 1 Syllabus:** -
Ch-1 The French Revolution (History)
Ch-1 India: Size and Location (Geography)

Ch-1 The story of the village Palampur (Economics)

Ch-1 What is Democracy? Why Democracy? (Civics)

GENERAL INSTRUCTIONS FOR PROJECT WORK :

1. Students should prepare individual projects of about 20-25 pages for CBSE assessment.
2. Do not use plastic folders / file covers- the project will be presented in a simple and Eco- friendly folder.
3. The project should be hand written- do not paste computer printouts of written material. Credit will be awarded to original drawings and illustrations (where relevant); make use of cartoons, photographs, graphs, statistics, maps, etc. (where possible). Please make creative use of materials.
4. You may refer to your textbooks, internet, magazines, brochures, newspapers, etc.
to prepare the project.

FINAL PRESENTATION

PREFACE:

1. Name of Project:
2. Problem Statement / Objective of Project: The objective of the project is known the:
(quote from the objectives given for your topic) INDEX: S.NO
3. Acknowledgements
4. Preface
5. Introduction
6. Planning And Activities Done During The Project
7. Observations And Findings
8. Conclusions
9. Learning's From The Project
10. Appendix

Note- Distribution of marks over different aspects relating to the above project shall be given according to the

- 1.Content 2. Accuracy. 3.Originality,
4. Presentation 5. Creativity

SCIENCE

BIOLOGY:

1. NATURAL RESOURCES

- ★ Roll no 1 to 7 will make a presentation on ‘Air Pollution’.
- ★ Roll no 8 to 14 will make a presentation on ‘Water Pollution’.
- ★ Roll no 15 to 21 will make a presentation on ‘Mineral Riches in the Soil’.
- ★ Roll no 22 to 28 will make presentation on ‘Nitrogen cycle’.
- ★ Roll no 29 to 35 will make presentation on ‘Carbon cycle’.
- ★ Roll no 36 to last will make presentation on ‘Ozone’.

2. ART INTEGRATION:

Make a brochure/travel guide/pamphlet on flora and fauna of Andaman & Nicobar and Lakshadweep islands.

Note: Try to explore the corals and endemic species found in these islands and their economic importance.

PHYSICS

Project 1 :

You are going to school daily. Calculate the distance Travelled. Note time taken by you to reach there and calculate average speed and velocity of your journey. Mention in detail about all the halts taken by you in your Journey (if any).

Project 2 :

Make a project on graphical representation of motion.

Page 1. Introduction

Page 2. Distance-time graph (Make separate graphs)

Page 3. Speed-time graph (Make separate graphs)

Page 4. How speed can be calculated from distance- time graph ?
Explain by choosing a suitable example.

CHEMISTRY

1. Activity: Making Ice Cream in a Bag

Objective: To demonstrate the conversion of liquid to solid through freezing and understand the role of salt

In changing the freezing point of water.

Materials:

- 1 cup of milk
- 2 tablespoons of sugar
- ½ teaspoon of vanilla extract
- Ice cubes
- 6 tablespoons of rock salt
- 1 pint-sized zip lock bag
- 1 gallon-sized zip lock bag
- Gloves or a towel to protect hands from the cold

Procedure:

- (i) **Preparation:** In the pint-sized zip lock bag, pour the milk, sugar, and vanilla extract. Seal the bag tightly.

Fill the gallon-sized zip lock bag halfway with ice cubes and sprinkle the rock salt over the ice.

- (ii) **Mixing:** Place the pint-sized bag with the ingredients into the gallon-sized bag with ice and salt. Seal the larger bag securely.
- (iii) **Freezing Process:** Shake the bags vigorously for about 5 minutes. Use gloves or a towel to hold the bags

As they will get very cold. The mixture in the smaller bag should start to harden and take on the consistency of ice cream.

- (iv) **Observation:** After 5 minutes, check the consistency of the mixture. If it's not ice cream-like, shake for a few more minutes.
- (v) Enjoy the delicious ice cream!!

Observations- Click pictures after every 5 minutes and paste in your file.

Answer the following questions:

- (i) Explain the role of rock salt in the formation of ice-cream in the above activity.
- (ii) Name any three other substances that can be used instead of salt in the similar activities. Also write one practical application of each.

Learning by doing-

Design a small generator model using a coil, magnet, and battery to demonstrate electromagnetic

ARTIFICIAL INTELLIGENCE

All the following activities are part of the internal assessment. For this student will be assessed out of 10 marks

Activity 1: Write an email to future self.

1. Imagine your future in the next 10 years (related to AI).
2. Type an email to your future self about what you want to see in the future or what you want to remind of your future.
3. The following points can be included in email:
 - a. Start with your interests, hobbies, and skills.
 - b. Relate how AI can help you.
 - c. Write about your career you want to pursue and how AI will make an impact on that.
4. Save the email in PDF format and take the printout.

Activity 2: Write the Pros and Cons of Artificial Intelligence on A4-sized sheet.

Activity 3: Share a minimum of five ideas about Smart Home and write them on the A4 sheet.

DRAWING

1. Make 10, A4 size newspaper or magazine paper sticks.
2. Make A4/A3 size paper collage on AI versus human/ environmental issues/ social media.

Or

Make a traditional puppet using eco friendly material (eg. Coconut shell, wood, cardboard box, newspaper, foil paper roll, clay etc.)