



THE VOYAGE OF LEARNING

A Summer Message from the Desk of the Director

"Learning is a treasure that will follow its owner everywhere."

Dear Parents and Students,

As we approach the vibrant summer break, I extend my warmest wishes to all our students and their families. Vacations are a wonderful time to relax, rejuvenate, and create beautiful memories together. However, it is also a golden opportunity to keep the spark of curiosity alive.

📅 Important Summer Schedule

- **Summer Vacation Begins:** Monday 1 June, 2026
- **Summer Vacation Concludes:** Tuesday, 30th June 2026
- **School Reopens:** Wednesday, 1st July 2026 (at the usual school time)

Our **Holiday Homework** has been thoughtfully designed not as a burden, but as a bridge—a way to connect classroom learning with creative, real-world exploration from **1 June to 30th June**. It aims to foster independent thinking, creativity, and self-discipline in our students.

TO OUR DEAR STUDENTS

Use this time to read widely, explore new hobbies, and engage deeply with the projects assigned to you. Challenge yourselves, stay curious, and remember that consistent, daily efforts make learning effortless.

TO OUR RESPECTED PARENTS

We view education as a shared partnership. We kindly request you to guide and supervise your children as they work through their assignments. Encourage them to manage their time effectively so they can balance both recreation and learning throughout this break. Your encouragement is the greatest catalyst for their academic growth.

Let us utilize this break to discover new passions and return to school on **1st July, 2026** with renewed energy, enthusiasm, and a deeper love for learning.

We wish you all a safe, happy, and intellectually fulfilling summer vacation!

Warm regards,

Director

Jaycees Public School

JAYCEES PUBLIC SCHOOL RUDRAPUR
Summer Break Holiday Homework-(2026-27)
Class –XI(Humanities)

Subject-English

From Hornbill + Snapshots texts

- **The Portrait of a Lady - Changing Family Structures:** Interview 2-3 grandparents/elderly people about family life 40-50 years ago vs today. Compare with Khushwant Singh's grandmother. Include photos, interview transcripts.

- **We're Not Afraid to Die - Disaster Survival Psychology:** Research real-life survival stories like the 2004 tsunami or recent air/sea disasters. Connect to themes of courage, teamwork, optimism in the chapter. (3-4 stories)

Creative + Research Based:

- **Adapting a Chapter to Film:** Take _The Summer of the Beautiful White Horse_. Write a screenplay for 2 scenes , design a poster, explain directorial choices.

Letter Writing:

- Write a letter to the editor of The Times of India in about 150-200 words highlighting the issue of environmental pollution in your city. Mention the causes, responsible factors and also suggest some practical solutions.
- Collect different types of advertisements from the classified columns of the English national dailies and paste them on A 4 size sheets.

Structure Required

1. Cover Page: Title, name, class, roll no, school
2. Certificate + Acknowledgement
3. Statement of Purpose: Why you chose this topic - 50 words
4. Introduction: Link to class XI text
5. Methodology: How you collected data
6. Report: (Topic wise) Main content with pics, graphs, quotes
7. Conclusion + Bibliography: MLA format
8. Reflection: What you learned - 100 words

Subject - Physical Education

Note- All 4 Practical work will be done in physical education Lab Manual .

➤ Practical 1: Labeled diagrams of 400 hundred Athletics track & 1 field events.

Practical-2: Fitness tests administration. (SAI Khelo India Test)

Practical-3: Detailed write-up on any one chosen in individual game/sport. IOA recognised. (history, rules, fundamental skills, terminology, and court/field measurements).

➤ Practical-4: Procedure for Asanas, Benefits & Contraindication for any two Asanas of Hypertension and Diabetes.

Computer Science

-Prepare a Project Report on any one of the following topics:

1. Artificial Intelligence (AI)
2. Machine Learning
3. Robotic Process Automation or RPA
4. Edge Computing
5. Virtual Reality and Augmented Reality
6. Cyber security
7. Block chain
8. Internet of Things (IoT)

9. BIG DATA

The Project ***may be typed or hand Written***. With following pages:

- a) *Cover Page*
- b) *Introduction*
- c) *Main Contents* (Minimum 4 Pages, may include images also)
- d) *Conclusion*
- e) *References*

Subject-Fine Arts

Chapters:

- 1 - Six Limbs of Indian Painting and Fundamentals of Visual Arts
- 2 - Prehistoric Rock Paintings

Short Questions

1. What is Fine Art?
2. Define a point and a line.
3. What is the meaning of the term Sadrishya?
4. What are the six limbs (Shadanga) of Indian painting?
5. Give the translated meanings of the terms Pramana, Lavanyayojana, and Varnika Bhanga.
6. What do you mean by alignment in visual arts?
7. Write a short note on applied or commercial art.
8. Which two primary colors are mixed in equal ratio to get orange, violet, and green?Chapter 2:

Prehistoric Rock Paintings

9. Who discovered the Bhimbetka rock shelters?
10. Who was Archibald Carlleyle?
11. In which state are the Bhimbetka rock shelters located?
12. How were colors prepared for prehistoric rock paintings?
13. Where have prehistoric rock paintings been found in India (name at least four key sites)?
14. What type of art is found in Bhimbetka?15. Why is Bhimbetka significant in the history of Indian art?

PAINTING

1. Nature & Object Study (Still Life)

Practice observing light, shadow, and texture. These are foundational for your practical exams.

Task: Create 3 Still Life drawings.

Subjects: A composition of household objects (e.g., a kettle, a draped cloth, and a fruit bowl) or a group of geometric shapes.

Medium: Use Pencil Shading (2B to 8B) or Charcoal for one, and Watercolors or Oil Pastels for the others.

Focus: Accurate proportions, tonal values, and the "cast shadow" of the objects.

2. Composition Painting

This section tests your ability to tell a story through art.

Task: Create 2 Original Compositions on A4 size sheets.

Themes:

Indian Festival: (e.g., Diwali celebrations, Holi, or a village fair).

Daily Life: (e.g., A vegetable vendor, children playing, or a railway station scene).

Medium: Poster colors or Watercolors.

Focus: Human figures in action, perspective, and a balanced color scheme.

3. Traditional Indian Art (Folk Art)

Class 12 painting often includes a study of India's rich artistic heritage.

Task: Complete one detailed work of a traditional Indian art style.
Styles to choose from: Madhubani, Warli, Pattachitra, or Miniature style.
Medium: Fine-liner pens, Acrylics, or Poster colors.

Subject- Mathematics

Total Duration: 30 Days

Days 1–10: Chapter – Sets

Chapter 1: Sets over the next 10 days.

1. Revise the definitions: sets, types of sets, subset, superset, universal set.
2. Draw and label Venn diagrams for: Union, intersection, complement, and difference of sets.
3. Prove the standard identities using Venn diagrams.
4. Practice at least **10 MCQs and 5 assertion-reason questions** from reference books.
5. Complete a worksheet based on set operations and word problems.
6. Create **3 real-life examples** where sets are used.
7. Attempt **5 HOTS questions** on union and intersection.
8. Prepare a **concept map** of the entire chapter.
9. Appear for a self-assessment test based on the chapter.

Days 11–20: Chapter – Relations and Functions

Chapter 2: Relations and Functions:

1. Write definitions of Cartesian product, relations, functions.
2. Write **5 examples of real-life functions** with proper domain and range.
3. Solve **10 MCQs and 5 short answer questions** from extra reference material.
4. Complete a worksheet on function mapping and domain-range.
5. Attempt **5 assertion-reason questions**.
6. Practice **5 HOTS level questions** on relations and mappings.
7. Appear for a self-assessment test based on the chapter

Days 21–30: Chapter – Trigonometric Functions

Chapter 3: Trigonometric Functions:

1. Revise angle measurements in radians and degrees.
2. Solve problems based on arc length and conversion.
3. Draw unit circle and explain the values of sin, cos, tan for standard angles.
4. Prepare a **table of trigonometric values** of standard angles.
5. Prove **standard trigonometric identities**.
6. Plot graphs of $\sin x$, $\cos x$, $\tan x$.
7. Solve **10 MCQs and 5 case-based questions**.
8. Attempt **5 HOTS questions** involving identities and general solutions.
9. Attempt a test paper from previous year or reference book.

General Instructions

- Maintain a dedicated **Holiday Homework notebook** for all chapters.
- Use proper steps and labeling in all diagrams and graphs.
- Submit the completed notebook on the **first day after vacation**.
- Late submission may result in deduction of marks.

Geography

Topics

1. Prepare an awareness poster on any ONE:

- *Earthquake
- * Flood
- * Cyclone

* Landslide

* Heatwave

Include:

- Causes
- Effects
- Safety measures
- Emergency kit items

2. On an outline world map:

*Mark major volcanoes

*Earthquake-prone zones

*Important mountain ranges

*Major rivers

Skill-Based Task

Make one 3D model using waste material:

*Volcano

*Layers of Earth

*River valley

*Fold mountains

3. Write a short activity report on:

“How Geography Affects My Daily Life”

Include examples related to:

*Food

*Clothes

*Weather

*Transport

*Mobile network

*Natural resources

SUBJECT- HOME SCIENCE

Project -1 Maintain a separate creative file for the Diet Journal. Record your meals regularly for one week. Make a record of nutritional intake of each meal. Use colorful headings, drawings, stickers etc à. Paste photographs/sketches of meals wherever possible. Write neatly and creatively.

Project 2- Developmental Norms (Birth to 3 Years) Prepare a colourful “Milestone Growth Chart/ File” showing development (Physical , language, motor, social and emotional) from birth to 3 years.

Project -3 Imagine you are planning a birthday party with a budget of ₹ 25,000. Make a detailed expense sheet and suggest ways to save money.

History

Activity:- Prepare a short Presentation or Documentary on given topic Instructions:- All students must prepare a short documentary/presentation based on assigned topic very sincerely by keeping some general points in mind: 1. Presentation must consist of 15-18 slides along with well described topics and sub-topics. While documentary must no exceed more than 5 minutes. 2. Its first slide must consist of School logo, School Affiliation no., Subject, Subject Code, Topic, Submitted to..... and Submitted by..... 3. It must include acknowledgement. Also it must include Index, Objectives, Introduction followed by description of Topics and Sub-Topics along with map, images, data etc. separately. Similarly, for documentary. 4. Before last page include 10 Viva questions with answers in one page similarly for Presentation add Questionnaire (either one word or m.c.q type) along with their answers. 5. At last include one slide of Bibliography 6. End up with Gratitude

Political Science

Theme: "Understanding Politics Beyond the Textbook"

Political Awareness Journal

1. "Politics Around Me"

Create a project file containing:

10 important political or social news articles from newspapers/magazines.

Each article must include:

Heading

Date & source

4–5 line summary

Student's opinion on the issue like -

- * Elections
- * Parliament
- * Women empowerment
- * Environmental policies
- * Education reforms
- * International relations
- * Fundamental Rights
- * Digital India

2. Family Democracy Survey

Conduct a survey of 10 family members/neighbours.

Suggested Questions

Why is voting important?

What qualities should a good leader have?

Do young people participate enough in politics?

Which issue affects society most today?

Represent findings using:

Pie charts

Bar graphs

Short conclusion

3. Create a Political Podcast / Video

Record a 3–5 minute audio/video on any topic:

Importance of democracy

Role of youth in politics

Social media and politics

Rights and responsibilities of citizens

Students may use interviews, examples, or current affairs.

Economics

Prepare the Project report on the topic's allotted below:

The students should follow the guide lines mentioned below for the project -

1. Steps Involved in the Conduct of the Project Students may work upon the following lines as a suggested flow chart

- Choose a title/topic
- Collection of the research material/data

- Organization of material/data
 - Present material/data
 - Analysing the material/data for conclusion
 - Draw the relevant conclusion
 - Presentation of the Project Work
 2. Expected Checklist for the Project Work:
 - Introduction of topic/title
 - Identifying the causes, events, consequences and/or remedies
 - Various stakeholders and effect on each of them
 - Advantages and disadvantages of situations or issues identified
 - Short-term and long-term implications of economic strategies suggested in the course of research
 - Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
 - Presentation and writing that is succinct and coherent in project file
 - Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.
- List of Projects according to Roll no's:
- Effect on PPC due to various government policies. (Roll no's: 1, 20, 39)
 - Opportunity Cost as an Economic Tool (taking real life situations) (Roll no's: 2,21,40)
 - Effect of Price Change on a Substitute Good (taking prices from real life visiting local market) (Roll no's: 3, 22, 41)
 - Effect on equilibrium Prices in Local Market (taking real life situation or recent news) (Roll no's:4, 23,42)
 - Effect of Price Change on a Complementary Good (taking prices from real life visiting local market) (Roll no's: 5, 24, 43)
 - Solar Energy, a Cost Effective Comparison with Conventional Energy Sources (Roll no's: 6, 25, 44)
 - Bumper Production- Boon or Bane for the Farmer (Roll no's: 7, 26, 45)
 - Consumer Protection Act. (Roll no's:8, 27, 46)
 - Demand and it's determinants(Roll no's: 9, 28, 47)
 - Production - Returns to a factor (Roll no's: 10, 29, 48)
 - Supply and its determinants along with case studies (Roll no's: 11, 30, 49)
 - Determinants of coffee and tea production in India (Roll no's: 12, 31, 50)
 - Measurement of countries income and growth (Roll no's: 13, 32, 51)
 - Demand elasticity's of fresh vegetables (Roll no's: 14, 33, 52)
 - Cost – Short run costs (Roll no's: 15, 34, 53)
 - Simple Applications of Demand and Supply: Price ceiling, Price floor. (Roll no's:16, 35, 54)
 - Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue Marginal Cost. (Roll no's: 17, 36, 55)
 - Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. (Roll no's: 18, 37, 56)
 - Consumer's equilibrium: using marginal utility analysis & Indifference curve analysis (Roll no's:19, 38, 57)

PSYCHOLOGY

1. **RESEARCH & ENQUIRY PROJECT** Select a relevant topic, such as the impact of social media on teenage self-esteem, peer pressure, or anger management. **HOW TO DO IT:** Use the methods of enquiry you learned in Chapter 2 of your textbook. Conduct a

short survey, design a simple questionnaire, or interview 5 to 10 people in your neighborhood.

SUBMISSION: Create a neat, project file compiling your objective, the methodology used, data analysis, and a conclusion.

2. PSYCHOLOGICAL MOVIE ANALYSIS ACTIVITY Students have to watch ANY THREE psychology-related movies and prepare a psychological analysis of the movie in a file. Your analysis must include: ● Name of the Movie ● Summary of the Movie ● Main Character(s) ● Psychological Disorder/Issue Shown in the Movie. ● Symptoms Observed in the Character ● Behaviour of the Character. ● Treatment or Therapy Shown in the Movie ● What You Learned from the Movie as a Psychology Student