

DELHI PUBLIC SCHOOL CIVIL LINES ALIGARH HOLIDAY HOME WORK 2024-25 CLASS -IX

English

- 1. Personal Memoir
 - Title: "A Day That Changed Me"
 - Word limit: 300-350 words
 - Reflect on a real experience that taught you an important life lesson.

- Use literary devices like imagery, simile, and metaphor.

2. Literature in Art

- * Choose any poem or short story from your syllabus.
- Create a comic strip or storyboard illustrating key scenes or ideas.
- Use dialogues, thought bubbles, visuals, and write a short paragraph explaining your interpretation.
- 3. Speech Writing
 - Topic: The Power of Youth in a Democratic Society"
 - Word Limit: 200-250 words
 - Include real-life examples and supporting details.
- 4. Vocabulary Scrapbook
 - Create a scrapbook of 20 new words.

- Include definition, synonym, antonym, sentence, and visual aid. Submission in a neat handmade folder.

Hindi

1. रहीम के दो दोहे सुंदर लेख में लिखें और संबंधित चित्र बनाएँ।

- 2. किसी बुजुर्ग का संवादशैली में साक्षात्कार लें व फ़ोटोपरियोजना पुस्तिका में लगाएँ।
- 3. माउंटएवरेस्ट परलेख लिखें, विषय बिंदुः

- भौगोलिकअवस्था / इतिहास / चुनौतियाँ / पर्वतारोही / जलवायुआदि।

URDU

Alif se baditak her huroof se do doshair

Biology

Prepare a creative scrapbook on **one global challenge**:

- Climate Change and Global Warming
- Ocean Plastic Pollution
- Depleting Natural Resources
- Water Scarcity and Desalination
- Deforestation and Its Impact

Include research, scientific explanation, and a creative/practical solution.

Chemistry

1. Make a sketch of your favorite scientist on an A4-sized sheet. **OR**

Create

Create an artwork using discarded materials to promote sustainability.

2. Complete all exercises of Chapter 1 "Matter in Our Surroundings" from NCERT Exemplar in your practice notebook

Physics

- A. **Design a Roller Coaster**
- Cardboard model with hills, loops, and straight sections
- Create a marble run showing different types of motion

- B. **Motion Diagrams**
 - Uniform motion
 - Non-uniform motion
 - Accelerated motion
- C. **Projectile Motion Experiment**
 - Design a launcher
 - Measure trajectory and range
 - Analyze data

Mathematics

Do the following ACTIVITIES in Mathematics Practical Notebook:

1. To obtain a line segment corresponding to the square root of natural numbers.

- 2. To verify the identity $(a^3 + b^3) = (a + b)(a^2 ab + b^2)$.
- 3. To factorise a polynomial of type $x^2 + bx + c$, by splitting the middle term.

4. To show that the area of a parallelogram is the product of its base and corresponding height using paper cutting and pasting.

5. To verify that the angle subtended by an arc at the centre of a circle is double the angle it subtends at any point on the remaining part of the circle.

NOTE: Practice exercises of chapters *Number Systems*, *Polynomials*, and *Coordinate Geometry* from the Maths Exemplar in the practice notebook.

Social Science

Prepare a ** project on Disaster Management**:

- Create awareness about disasters and risk reduction

- Collect data and present via a PowerPoint

- Optional: integrate art forms

Co-ordinator

Principal