

पीएम श्री केंद्रीय विद्यालय सीमा सुरक्षा बल परिसर राजौरी

कक्षा - अष्टमी ८ (बहुविषयक परियोजना)

THEME: ENVIRONMENT CONSERVATION (पर्यावरण-संरक्षणम्)

1. SANSKRIT (संस्कृतम्)

शीर्षकम्: प्रकृतिः अस्माकं माता

रचनात्मक-कार्यम्: प्रकृति-विषये पञ्च श्लोकान् लिखत ।

वर्णनम्: 'दीपकम्' पाठ्यपुस्तकस्य आधारेण पञ्च-महाभूतानां (पृथ्वी, जलं, तेजः, वायुः, आकाशः) महत्त्वं प्रतिपाद्य ५ श्लोकान् अर्थसहितं लिखत ।

सृजनात्मकता: एकस्मिन् चार्ट-पत्रे वृक्षस्य चित्रं रचयित्वा तस्य पत्रेषु श्लोकान् सुलेखेन (Calligraphy) लिखत ।

2. HINDI (हिंदी)

शीर्षकः धरती की पुकार

रचनात्मक कार्यः 'प्रदूषण मुक्त भारत' पर एक विज्ञापन तैयार कीजिए ।

विवरणः अपनी कल्पना से एक ऐसा यंत्र (Machine) चित्रित कीजिए जो हवा को शुद्ध करता हो । उसके गुणों और कार्यविधि को हिंदी में काव्यात्मक पंक्तियों के माध्यम से लिखिए ।

सृजनात्मकता: विज्ञापन को रंगीन पेंसिल और स्लोगन (जैसे: "स्वच्छ हवा, सुखी जीवन") के साथ आकर्षक बनाएँ ।

3. MATHEMATICS

Topic: Waste Audit Geometry

Creative Task: Statistical Analysis of Household Waste.

Details: For 3 days, categorize your dry waste (Paper, Plastic, Metal) and weigh it. Represent this data through a Pie Chart. Calculate the central angles for each category.

Creativity: Use actual scraps (bits of foil, paper, plastic) to decorate the sectors of the Pie Chart.

4. SCIENCE

Topic: Sustainable Energy Model

Creative Task: Detailed Diagram and Working Principle.

Details: Draw a neat, labeled diagram of a 'Solar Cooker' or 'Wind Mill'. Explain the transformation of energy (e.g., Solar to Heat) in 100 words.

Creativity: Use silver foil and black paper on your diagram to give it a realistic 3D look reflecting how a solar cooker actually functions.

5. SOCIAL SCIENCE (SST)

Topic: Heritage and Nature

Creative Task: Historical Case Study.

Details: Research the 'Bishnoi Community' of Rajasthan and their sacrifice for the Khejri trees. Relate this to the concept of 'Resource Conservation' from your Geography book.

Creativity: Draw a timeline of environmental movements in India on papers and fold it like an accordion style inside your file.

6. ART EDUCATION

Topic: Nature's Canvas

Creative Task: Organic Leaf Printing Art.

Details: Collect 10 different types of fallen leaves. Dip them in watercolors and create a "Landscape Painting" using only leaf impressions.

Creativity: No brushes allowed! Use only natural textures for the entire painting.

7. PHE (PHYSICAL & HEALTH EDUCATION)

Topic: Outdoor Fitness and Oxygen

Creative Task: The Green Workout Plan.

Details: Design a "Nature-Walk Routine." List 5 breathing exercises (Pranayama) that are most effective when done near trees. Explain the science of 'Oxygen-Rich' blood during exercise.

Creativity: Draw a 'Health Trail Map' of your local park or school garden indicating spots for specific exercises.

8. VOCATIONAL / WORK EDUCATION

Topic: Upcycled Utility

Creative Task: Trash-to-Treasure Product.

Details: Create a "Vertical Garden" using old plastic bottles or a "Bird Feeder" using waste materials. Document the step-by-step process with 4 photos or drawings.

Creativity: Give your product a creative brand name and write a "Product Pitch" explaining why every house should have one.

Presentation Check:

Ensure the Sanskrit section uses correct grammar as per your Class 8 level.

Keep the English sections professional and well-structured.

9. ENGLISH

. Creative Story Writing

Task: Write a story titled “The Last Tree on Earth” or “A World Without Nature”

Add: Moral message + illustrations

Skills: Imagination, vocabulary, expression

2. Diary Entry (Creative Writing)

Topic: “Earth’s Diary”

Write as if Earth is speaking about pollution and human activities

Example: “Dear Diary, today humans cut another forest...”

3. Write a short poem (8–12 lines) on nature or pollution

Use rhyming words and simple figures of speech

10. ARTIFICIAL INTELLIGENCE

1. Difference between AI and Human Intelligence.

2. How AI is used in our day to day life.

3. Explain how Computer Vision (a branch of AI) can be used to identify different types of waste (Plastic, Paper, Metal) in real-time. List the three main stages: Data Input (Capturing images of trash).

Processing (AI identifying the material). Action (Mechanical arm sorting the waste).