PM SHRI KENDRIYA VIDYALAYA BSF CAMPUS RAJOURI(CLASS-8)

Project Title: Sustainable Village: A Model for Future India

Objective:

To design a self-sufficient, eco-friendly village that uses modern technology and sustainable practices while preserving cultural and traditional values.

Subject-wise Integration:

Science

- Study renewable energy sources (solar panels, biogas).
- Create a water purification model.
- Explain waste segregation and composting.

Mathematics

- Measure and calculate land area for houses, farms, and community services.
- Create budgets for village resources using data and statistics.
- Use geometry to design layouts.

Social Science

- Study the Panchayati Raj system.
- Explore rural development schemes like MNREGA.
- Discuss environmental laws and sustainable development goals.

English

- Write an article or a short essay titled “My Dream Village”.
- Create a village newsletter in English.
- Prepare an English speech on sustainable living.

Hindi

- निबंध: "आदर्श गाँव"
- कविता: ग्रामीण जीवन और प्रकृति पर आधारित।
- संवाद लेखन: गाँव में पंचायती बैठक का वार्तालाप।

Sanskrit

- निबंधः - "मम आदर्शग्रामः"
- श्लोकलेखनम् - ग्रामजीवनस्य महत्त्वम् विषये।
- संवादः - ग्रामे स्वच्छतायाः विषय पर आधारित संवादम्।

Computer Science / IT

- Use MS PowerPoint or Canva to create a digital presentation of the village.
- Make a spreadsheet to manage resources and expenses.
- Design a poster on energy conservation using computer tools.

Vocational Education

- Learn basic skills related to organic farming and compost making.
- Understand traditional crafts like pottery, weaving, and bamboo work.
- Demonstrate first aid and health hygiene techniques.
- Visit local artisans or conduct interviews with skilled workers in the community.

Physical & Health Education (P&HE)

- Prepare a fitness plan for villagers including yoga and basic exercises.
- Explain the importance of sanitation and personal hygiene.
- Organize a mock village health awareness campaign.
- Demonstrate traditional and modern games suitable for rural settings.

Presentation Format:

- Model: 3D model of a village made with eco-friendly materials.
- Project File: Separate pages/sections for each subject.
- Digital: Presentation slides (optional but encouraged).
- Group work: Students work in teams, each taking subject responsibility.

Learning Outcomes:

- Holistic understanding of sustainable living.
- Application of subject knowledge in real-life scenarios.
- Development of creativity, teamwork, and problem-solving skills.