



# O.P. JINDAL SCHOOL

## SUMMER VACATION HOMEWORK

★ CLASS - X



## ENGLISH

### ASSIGNMENT 1.

**Project: Small Acts, Big Impact - 'Nature Conservation Diary' (Self-made, consists of 10 pages)**

- ✓ Over the holidays, keep a "Nature Care Diary" where you document:
  - One small act each day (watering plants, not wasting paper, picking up litter, feeding birds & other acts as per your choice).
  - Reflect on how these acts, like the '**Dust of Snow**', can positively impact the environment and your own mood.
- ✓ Write a final reflection paragraph comparing these actions to the poem's message.
- ✓ Include 2–3 facts about how small environmental actions help biodiversity (link to science)

Add a few pictures of your own doing those acts

### **ASSIGNMENT 2. Create a Travel Brochure or Poster (Self -made)**

**Activity: Design a handmade travel brochure or poster advertising "Glimpses of India Tours."**

- ✓ Include highlights of:
  - Goa: old Portuguese bakeries.
  - Coorg: coffee estates, nature walks.
  - Assam: tea plantations, river journeys. (Read the Lesson 'Glimpses of India' before doing it)
- ✓ Add a catchy slogan and artistic elements to attract tourists! Make it attractive with drawing/pasting photos relevant to the above-mentioned places.

## HINDI

1. कहानी में चश्मा सिर्फ एक वस्तु नहीं, बल्कि नैतिक मूल्यों का प्रतीक है। कल्पना कीजिए कि आपको अखबार के लिए 'नेताजी का चश्मा और आज की नैतिकता' विषय पर एक लेख लिखना है। उस लेख को रचनात्मक शैली में तैयार कीजिए।
2. यदि आप ब्रज की एक गोपी होते/होतीं, तो श्रीकृष्ण से अलगाव के दुख को आप अपने शब्दों में कैसे व्यक्त करते? अपने भावों को एक पत्र के रूप में लिखिए।
3. आप अपने परिवार के साथ एक शिक्षाप्रद यात्रा पर गए। उस यात्रा का वर्णन एक अनुच्छेद में कीजिए, जिसमें कम से कम 3 सरल वाक्य, 3 संयुक्त वाक्य और 3 मिश्र वाक्य शामिल हों। प्रयोग किए गए वाक्यों को अलग-अलग रंगों से हाइलाइट करें या कोष्ठक में प्रकार स्पष्ट करें।



4. 'मेरा सपना' विषय पर एक प्रेरणात्मक अनुच्छेद लिखिए जिसमें आप अपने सपनों, प्रयासों और चुनौतियों का वर्णन करें। अनुच्छेद में सरल, संयुक्त और मिश्र वाक्यों का संतुलित प्रयोग करें और उदाहरण सहित उनके प्रकार भी दर्शाएं।

## MATHEMATICS

### Objective:

To engage students in meaningful, real-life mathematical explorations that enhance **Cognitive, Social, Emotional, Physical, and Moral** development during summer break.

#### 1. Activity: *Mathematics & Me – A Reflective Journal*

Write a journal on your emotional experiences with learning Mathematics (e.g., a challenging topic you overcame, how you feel solving problems, your fear of math, if any).

#### 2. Draw Rangoli or warli art using mathematical shapes.

### Submission Format:

- All work to be compiled in a well-decorated folder
- Use A4 sheets
- Use visuals (charts, drawings, photos etc) wherever applicable
- Submission Deadline: First week after reopening.

## SCIENCE

### PHYSICS

Draw neat ray diagrams for each position of the object through spherical mirror (convex + concave) using chart paper

### CHEMISTRY

1. Prepare all activity of chapter chemical **reaction and equation** with all out comes
2. Prepare list of chemical reaction with balanced chemical equation which you observe in your home and segregate which type of chemical reaction is going on

### BIOLOGY

1. **Heart Anatomy Coloring Sheet** – Sketch a **detailed heart diagram**, color-code its parts, and describe its function. Also **Pulse Rate Monitoring** – Record your **pulse rate before and after exercise** and analyze the changes in heart rate.

Or,

**Lung Art with Airflow** – Make a **creative drawing of lungs** showing how oxygen moves into the bloodstream.

Or,

**Comic Strip of Digestion** – Design a **story of food traveling through the digestive system**, explaining processes like absorption and digestion.

## SOCIAL SCIENCE



## History – Ch.1: The Rise of Nationalism in Europe

### Timeline Creation

- Make a colorful timeline showing major events from the chapter on A4 sheets.
- Add minimum of 10 visuals/images with brief descriptions.



## Civics – Ch.1: Power Sharing

### Case Study Poster

- Make a comparison chart or poster on **Belgium vs Sri Lanka** on a chartpaper.
- Highlight causes of conflict and solutions through power-sharing.
- Use pictures, flags, and graphs to enhance presentation.



## Economics – Ch.1: Development

### Activity 3: My Development Goals Collage

- Make a collage using pictures from newspapers/magazines or your own drawings on a chart paper.
- Show what "development" means to you (jobs, education, health, etc.) through your collage only.
- Write 5 personal development goals (1 line each).



## Geography:

- Prepare a flow chart of various natural resources and land utilization.
- Make a project showing consumption and conservation of resources in your locality.
- Mark the following on the outline map of India:
  - (a) Any three power plants
  - (b) Any four nuclear power plants

## INFORMATION TECHNOLOGY

1. Make a chart showing the elements of communication in the communication cycle or communication process.
2. Public Speaking :
  - (i) Choose a topic for a very short speech.
  - (ii) Write your thoughts on the topic in paragraphs.
3. Draw the diagram of 7Cs of effective communication and explain them .
4. Take printout of the Worksheet given in the link below and Complete the same  
Worksheet Link :

[https://drive.google.com/file/d/1weXCI7\\_VG0oUhuLA2j3HeeaWKfq9Atvo/view?usp=sharing](https://drive.google.com/file/d/1weXCI7_VG0oUhuLA2j3HeeaWKfq9Atvo/view?usp=sharing)

