



O.P. JINDAL SCHOOL

SUMMER VACATION HOMEWORK

★ CLASS - XI



ENGLISH

Holiday Homework Guidelines –

- Use an eco-friendly folder or handmade file using chart paper or recycled materials. Avoid using plastic files or fancy stationery.
- Homework should be completed neatly and in your own handwriting.
- Don't wait until the last week—plan your homework schedule.
- Submit your completed homework on the first day after the break.
- Incomplete or untidy work will not be accepted.

Answer the following questions. (ANY 5)

1. After reading “The Ailing Planet,” design an infographic or visual report predicting the Earth’s condition 50 years from now, based on current environmental trends. Use facts from the essay and suggest practical solutions to help reverse these trends.
2. Write a heartfelt letter to Khushwant Singh’s grandmother, expressing your admiration for her simple yet powerful presence. How does her character remind you of someone in your own life?
3. “The family’s courage and unity in the face of danger show inner strength.” Write a reflective journal entry about a time when you had to remain calm and hopeful in a difficult situation. What helped you stay strong? (With reference to “We’re Not Afraid to Die... if We Can All Be Together”)
4. “The Summer of the Beautiful White Horse” blends moral values, family bonds, and childhood adventure. Create a comic strip or storyboard that adapts the story to a modern Indian context, highlighting values like honesty and trust.
5. “When Did My Childhood Go?” reflects a journey of self-awareness. Write a speech for your school assembly titled “Growing Up with Grace,” combining the poet’s thoughts with your own experiences of emotional and intellectual growth.
6. You are preparing the club’s annual report. Describe in about 100 words what your club has done, is doing, and will do to make your school greener. Use at least three different tenses meaningfully.

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 & My Mind – A Personal Reflection Journal*

Task: Write 3 short reflective entries:

- A math challenge you overcame
- Your relationship with math so far
- A topic that excites or confuses you

2. Create a **portrait using mathematical formulae** (beautiful intersection of **art and mathematics**)

(Image for ref:

https://drive.google.com/file/d/1Hvtd9jDzFHfw6Miv61jB0Ta_5QGHjoVC/view)

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.

PHYSICS

Derive equation of motions using Graphical method on chart paper

CHEMISTRY

1. Make a 3D model on molecular structure which clearly shows bond length ,bond angle ,and their hybridization

BIOLOGY

1. **Plant Life Cycle Infographic** – Design a **poster** showing the life cycle stages of different plant groups (algae, bryophytes, pteridophytes, gymnosperms, and angiosperms). [Any two]
2. **Flower Dissection Art** – Dissect a **flower**, dry its parts, and arrange them creatively on a **chart paper** with labels.

Or,

Phylum Classification Chart

- Create a **detailed flowchart** dividing the Animal Kingdom into major phyla.
- Use **bright colors and pictures** for each phylum (Porifera, Cnidaria, Arthropoda, etc.).
- Highlight key features (Basis of classification) like **body symmetry, coelom, segmentation**, etc.

ECONOMICS

Roll No.	Project
1	Effect on PPC due to various government policies
2	Opportunity Cost as an Economic Tool (taking real life situations)
3	Effect on Equilibrium Prices in Local Market (taking real life situation or recent news)
4	Solar Energy, a Cost-Effective Comparison with Conventional Energy Sources
5	Invisible Hand (Adam Smith)
6	Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
7	Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
8	Bumper Production- Boon or Bane for the Farmer
9	Price elasticity of demand of fresh vegetables, Luxury Items tec.
10	GST

Instructions:

The specimens of documents collected should be pasted in the Project file with a brief description of each. They may also visit railway godowns/dockyards/ transport agencies and may collect pictures of them.

Presentation and submission of project report.

At the end of the stipulated term, each student will prepare and submit his/her project report.

Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format, consisting of the recordings of the value of shares and the graphs.
2. The project will be handwritten.
3. The project will be presented in a neat folder.
4. The project report will be developed in the following sequence-
 - The cover page should project the title, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the news papers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - News paper clippings to reflect the changes of share prices.
 - Conclusions (summarised suggestions or findings, future scope of study).
 - Appendix (if needed).
 - Teachers report.
 - Teachers will initial preface page.
 - At the completion of the evaluation of the project, it will be punched in the centre so that the report cannot be reused but is available for reference only.
 - The projects will be returned after evaluation. The school may keep the best projects.

ACCOUNTANCY

Prepare scrap book of various accounting vouchers

BUSINESS STUDIES

Roll No.	Project
1 to 3	Project One: Field Visit (<i>Select anyone from list</i>)
4 to 6	Project Two: Case Study on a Product (<i>Select anyone from list</i>)
7 to 10	Project Three: Aids to Trade (<i>Select anyone from list</i>)

Project One: Field Visit

1. Visit to a Handicraft unit.
2. Visit to an Industry.
3. Visit to a Wholesale market (vegetables, fruits, flowers, grains, garments, etc.)
4. Visit to a Departmental store.
5. Visit to a Mall.

Project Two: Case Study on a Product

1. Apples from Himachal Pradesh, Kashmir.
2. Oranges from Nagpur,
3. Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
4. Strawberries from Panchgani,

5. Aloe vera from Rajasthan,
6. Walnuts/almonds from Kashmir,
7. Jackfruit from South,
8. Guavas from Allahabad,
9. Pineapples from North East India,
10. Tea from Assam,
11. Orchids from Sikkim and Meghalaya,
12. Pottery of Manipur,
13. Fishes from coastal areas.

Project Three: Aids to Trade

1. History of Insurance Lloyd's contribution.
2. Development of regulatory Mechanism.
3. Insurance Companies in India
4. Principles of Insurance.
5. Types of Insurance. Importance of insurance to the businessmen.
6. Benefits of crop, orchards, animal and poultry insurance to the farmers.
7. Terminologies used (premium, face value, market value, maturity value, surrender value) and their meanings.
8. Anecdotes and interesting cases of insurance. Reference of films depicting people committing fraudulent acts with insurance companies.
9. Careers in Insurance..

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Presentation and submission of project report.

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5. The total project will be in a file format, consisting of the recordings of the value of shares and the graphs.
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INFORMATICS PRACTICES

Solve the questions provided in the link below:

<https://drive.google.com/file/d/1B4BuUosRvR10CdGk98HoVwMpK3ILyVv/view?usp=sharing>

All the questions to be done in the class notebook and to submitted in the first week after reopening

