



BAL BHARATI PUBLIC SCHOOL, PITAMPURA, DELHI - 110034

SESSION - 2022-2023

CLASS XII HOLIDAY HOMEWORK (JUNE 2022)

The holidays' homework MUST be submitted by 11th July 2022.

ENGLISH

PROJECT REPORT

A **Project Report** is a compilation of the work that you produce during the process of working on a project.

You are required to prepare a Project Report, based on the guidelines given, and submit the file having minimum 8-10 pages to your respective English teacher, for evaluation.

Select any 1 project- Project A OR Project B

PROJECT A

1. Choose a book from the given options.

*The Guide- RK Narayan

*To Sir With Love- ER Braithwaite

*Animal Farm- George Orwell

2. Prepare a file on the chosen book covering the following pointers. The file should be thematically decorated. Book cover should be attractive and self descriptive.

- a) First page - Acknowledgement
- b) Second page - Index
- c) Third page - Setting
- d) Fourth page onwards- Character Sketches
- e) Following pages-
 - (i) Plot and Structure
 - (ii) Theme
 - (iii) Style
 - (iv) Critical appreciation
 - (v) Your own point of view

PROJECT B

1. Pick any one topic from the following ones.

- Why is materialism a rattrap?
- Brand mania and teenagers
- The 21st century and joint families
- Internships- a need for the teen
- Women entrepreneurs of the world
- Emancipation of women in the Indian society
- Child labour
- Overuse of digital devices
- Teenagers and unrealistic dreams
- Bullying

2. Conduct research on the chosen topic.

Interview people/ Survey/ online investigation/ Read/ Listen to podcasts/ watch movies.
- Analyse your research and reach a consensus.

3. Write a report.(800-1000 words)

The Project File must include the following:

- a) Cover page, with the title of project, school details/details of the student. (This may be in the printed form, aesthetically presented)
- b) Statement of purpose/objectives/goals
- c) Certificate of completion under the guidance of the teacher
- d) Action plan for the completion of assigned tasks.
- e) Materials such as scripts, questionnaires for interview, written assignments, essays, survey-reports and other material evidence of learning progress and academic accomplishment.
- f) Report (800-1000 words)
- g) Student reflections.
- h) Photographs that capture the positive learning experiences of the student(s).
- i) List of resources/bibliography
- j) Back cover page.

MATHEMATICS

Students will create a mind map of different properties of Inverse Trigonometry and upload it on google classroom.

Students will prepare Mathematics practical file containing 10 activities. Activities will be as per CBSE guidelines , given in the NCERT Laboratory Manual for Mathematics. Sample of the practical file will be uploaded on the google classroom for reference.

Guidelines for Mathematics Practical File

- 1) Cover the file with black chart paper.
- 2) Index should be complete. Write the objective/ aim of the activity in the index.
- 3) Practical file used should be interleaf.

- 4) Each experiment should contain
- Objective
 - Material Required
 - Method of construction
 - Demonstration
 - Observation

PHYSICS

1 Students to complete the given assignment in a notebook.

<https://drive.google.com/file/d/1n1r-kMd1H-59Bjh2b6CqS1ZfN7VGZetT/view?usp=sharing>

2 Study of physics involves the use of lot of symbols. Your assignment is to draw a sketch (of a landscape or a monument or a person or anything you like) and incorporate symbols used in physics including electrical symbols into your sketch.

Some of the symbols are given at

- <https://www.electronicshub.org/symbols/>
- <https://physicsworld.com/a/web-life-sixty-symbols/>

You can use any other physics symbols too beside these ones. Please note that this project is a part of Art Integrated Learning (AIL) introduced by CBSE.

3 Activity copy :This is a compulsory submission in CBSE practical examination. Take an interleaf notebook and note the given 6 activities in the notebook as per the given link.

<https://drive.google.com/file/d/1CQQBxlcQWDYMPo1wgQGyGYoioHEaXETS/view?usp=sharing>

Important points to be noted

1. Use blue gel pen to write the activities , also the work is to be done in neat handwriting.
2. Each activity to begin on a new page.
3. Diagrams to be drawn neatly with pencil and or scale on the left blank side.

CHEMISTRY

Let us study chemistry from a book beyond textbooks. Grab your kindle or look for Silent Spring by Rachel Carson in your library. Read this marvel where chemistry explains the environmental harm caused by the indiscriminate use of pesticides and make a short presentation for the same.

Technological Tool-MS PowerPoint/sway presentation

Mind maps are an effective learning method that boost one's creativity, improve concept clarity and help increase productivity. Using your creative hand and scientific abilities prepare a mind map on preparations of Haloalkanes.

Technological Tool-Canva/ Popplet/ MindMeister

Pictures narrate the best stories that last the longest in our memory. Using your knowledge of chemical properties of haloarenes, prepare a fun infographic or a flyer. The presentation matters as much as the content on the table!

Technological Tool- Canva/Piktochart/Adobe spark

“Once, I told a chemistry joke. There was no reaction.” Design Wakelet on all the name reactions from the chapter Haloalkanes and Haloarenes using your creativity as the catalyst

Learn more about Wakelet at <https://learn.wakelet.com>

There is a higher chance of you forgetting literature than you forget a movie that you have watched, using any of the applications listed below make a short video on any one of the below listed topics

- SN1 reaction mechanism
- SN2 reaction mechanism
- Difference between SN1 and SN2 reaction mechanisms

NOTE-Your face should be visible in the video, it should have a clear voice over and the duration of the video can be between 60 to 90 seconds

Students to complete the given assignment in the assignment notebook.

<https://docs.google.com/document/d/1dn27Pje3fa0FxA3u4TBvI0nSZja8NPjx76jxZKm7uBc/edit?usp=sharing>

Students can take up an investigatory project and prepare a project file as per the guidelines given in the syllabus document.

The project can be done in groups of 2 students ONLY.

BIOLOGY

Investigatory Project Work-The more original or new the project is, the better it would be. But it must be realistic in terms of the time available and at a level attained in the higher secondary biology

Keep the aim of your project simple. Investigate only one factor at a time and never allow yourself to be side-tracked.

Reporting/Writing of Project

A format, such as given below, can be followed.

- (i) Title of the investigatory project: Write the title of the project, for example, 'Inheritance pattern of eye colour'.
- (ii) Objectives: Express as clearly as possible the effect of one variable that the experiment is designed to investigate.
- (iii) Materials needed: This might be just a list, or a diagram if a particular piece of apparatus was used.
- (iv) Method: Describe the procedure stepwise including the precautions taken, if any.
- (v) Result: A suitable chart or table for recording and organising your readings or measurements should be made out before you start the experiment.
- (vi) Analysis and interpretation: Observation data are factual, and may not be as expected by you.
- (vii) Discussion: Discuss briefly the implication of your results and suggest extensions of any kind that can be undertaken.
- (viii) Conclusion: In view of the results obtained and related work done on the topic of the project, write conclusion briefly.
- (ix) References: Any work related to the project which you have come across through books/articles or any other source should be written as reference, for example: Khan Academy, Embibe.com

For assignment on Unit Reproduction(Sexual reproduction in flowering plants and Human reproduction), use the link given below and do the work in a small homework notebook.

https://docs.google.com/document/d/1gklMUiu1JcU8lg1cK-QYnQeHv7BGsrpnc5_M2jmljLQ/edit?usp=drivesdk

COMPUTER SCIENCE & INFORMATICS PRACTICES

Students have to create a project on any useful IT application. The learner may identify a real-world problem by exploring the environment. e.g. Students can visit shops/business places, communities or other organizations in their localities and enquire about the functioning of the organization, and how data are generated, stored, and managed.

The learner can take data stored in csv or database file and analyze using Python libraries and generate appropriate charts to visualize. Students may use any of the open source to collect the data. For example kaggle.com etc. **(for IP Students)**

The aim of the class project is to create something that is tangible and useful using Python file handling/ Python-SQL connectivity. **(for CS students)**

If an organization is maintaining data offline, then the learner should create a database using MySQL and store the data in tables. Data can be imported in Pandas for analysis and visualization.

Learners can use Python libraries of their choice to develop software for their school or any other social good. They have to include python charts to represent the data analysis.

You must avoid plagiarism and violation of copyright issues while working on projects. Any resources (data, image etc.) used in the project must be suitably referenced. The layout of the project is as follows :

MAIN PROJECT FILE

1. COVER PAGE / MAIN PAGE

BAL BHARATI PUBLIC SCHOOL, PITAMPURA

COMPUTER SCIENCE / INFORMATICS PRACTICES PROJECT (2022-2023)

SUBJECT CODE-083/ 065

PICTURE/IMAGE RELATED TO THE PROJECT

HEADING (TOPIC)

NAME : _____ CLASS _____ BOARD ROLL NO. _____

2. CERTIFICATE

This is to certify that this Computer Science / Informatics practice project is a bonafide record done by ***full name*** of class XII _ of BAL BHARATI PUBLIC SCHOOL, PITAMPURA. Furthermore it has been verified that the project has been done under my supervision. The references taken in making this project have been declared at the end of this project.

Name of the teacher (Ms. Preeti Khanna for CS / Ms.Beena S Nair for IP)
(083 Computer Science / 065-Informatics Practices)

3. ACKNOWLEDGEMENT

I wish to acknowledge the cooperation and guidance of my computer teacher _____ who has been very helpful and kind during the course of my project.

Her constant motivation was a source of inspiration which encouraged me to complete this project successfully. Immense hard work has been put into this project to keep its working and efficiency high within its limited scope.

NAME :

CLASS :

ROLL NO : *BOARD ROLLNO*

SESSION : 2022-2023

4. INTRODUCTION / IN A NUTSHELL (SUMMARY)
5. HARDWARE REQUIREMENTS
6. SOFTWARE REQUIREMENTS
7. SOURCE CODE
8. STRUCTURE OF ALL THE CSV files/MySQL files
9. OUTPUT SCREENSHOTS / SOFTWARE INTERFACE
10. SCOPE (MERITS)
11. DEMERITS (LIMITATIONS)
12. REFERENCES / BIBLIOGRAPHY

The project can be done in groups of 2 students ONLY.

ACCOUNTANCY

Task 1: Prepare a Project file on Comprehensive Project of accountancy.

Keeping the guidelines given by the CBSE for Comprehensive Project, show the complete Accounting Cycle till the preparation of Financial Statements from the self-made business transactions for the financial Year 2021-22. The Journal, Ledger , Trial Balance and Final accounts to be prepared in complete format. The assets and liabilities of the balance sheet to be shown as Pie Diagram to conclude the project.

Task 2: Use the following link to access the Practice Worksheet and solve the same in a separate assignment/worksheet register.

https://docs.google.com/document/d/15pm3elZC0AaM47NkK4cYc8TYBkW_Np9x1J0d7J8WRQ/edit?usp=sharing

BUSINESS STUDIES

Q1. Presentation and Submission of Project

- Each student will prepare and submit his/her project .
- Following essentials are required to be fulfilled for its preparation and submission.
- The total length of the project will be of 25 to 30 pages.

- The project should be handwritten only on one side of A4 size sheets (coloured or plain)
- The project should be presented in a neat folder.
- Keeping the guidelines given by the CBSE the project should be developed in the following sequence-

Title Sheet

Self-Introduction

- NAME:
- CLASS:
- SCHOOL NAME:
- ROLL NO: *BOARD ROLLNO*
- SESSION: 2022-2023

Certificate

This is to certify that this Business Studies project is a bona fide record done by *full name of the student* of class XII D/E/F Bharati Public School, Pitampura.

Furthermore, it has been verified that the project has been done under my supervision.

The references taken in making this project have been declared at the end of this project.

Name of the teacher (Ms. Aprajita Malhotra/ Ms. Monika Chawla)

(054 Business Studies)

Acknowledgement

I wish to acknowledge the cooperation and guidance of my Business Studies teacher Ms. _____ who has been very helpful and kind during my project.

Her constant motivation was a source of inspiration which encouraged me to complete this project successfully. Immense hard work has been put into this project to keep its working and efficiency high within its limited scope.

Index

Product chosen

Detailed content

Conclusion

Bibliography

Q2. For assignment on Marketing Management refer to the following link

https://docs.google.com/document/d/13NFRKMMeg_YxgEPG6h_0ZbbVA0Y_TzFz/edit?usp=sharing&oid=102767528533846223850&rtpof=true&sd=true

ECONOMICS

Q-1 The students will prepare project file in economics and follow the sequence as per CBSE project guidelines

1. Title Sheet
2. Self-Introduction

- NAME:
- CLASS:
- SCHOOL NAME:
- ROLL NO: *BOARD ROLLNO*
- SESSION: 2022-2023

3. Certificate

This is to certify that this Economics project is a bona fide record done by *full name of the student* of class XII D/E/F/G/H, Bharati Public School, Pitampura.

Furthermore, it has been verified that the project has been done under my supervision.

The references taken in making this project have been declared at the end of this project.

Name of the teacher

(030 Economics)

4. Acknowledgement

I wish to acknowledge the cooperation and guidance of my Economics teacher Ms. _____ who has been very helpful and kind during my project.

Her constant motivation was a source of inspiration which encouraged me to complete this project successfully. Immense hard work has been put into this project to keep its working and efficiency high within its limited scope.

5. Index

6. Objectives of Project study: Write at least 5-6 objectives in point form. For example if your topic is Government budget, then your objectives may be:

(a) To understand the meaning and objectives of the government budget.

(b) To discuss the various sources of budget receipts and budget expenditure and so on.

7. Detailed content

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies .

8. Questionnaire/ Case study

9. Presentation and analysis of data

10. Conclusion

11. Students own views/perception/opinion and learning from the work

12. Bibliography

■ Students can also paste related newspaper cuttings , extracts from the news media, government policies, RBI bulletin, NITI Aayog reports, IMF/World Bank reports, Economic survey, Government budget etc. in their project work

■ Total number of pages may range from 25-35 pages.

- ❖ Please note that the contents of project work must be written in one's own handwriting only on one side of A4 size sheets (coloured or plain)
- ❖ The project should be presented in a neat folder.
- ❖ For suggestive list for project topics, students can refer to the link

https://cbseacademic.nic.in/web_material/CurriculumMain23/SrSec/Economics_SrSec_2022-23.pdf

Q2 Students will do the following assignment on money and banking and submit it on google classroom. please refer to the following assignment link:

https://docs.google.com/document/d/1UwPcV-IA_FpH8mV_40TrfHLNNeidsllCPg7W2wrMYQM/edit?usp=sharing

Locate and label the following items on the map of the world:

The largest country in each continent in terms of area

Areas of Primary activities:

- Major Areas of subsistence gathering
- Major areas of nomadic herding of the world
- Major areas of commercial livestock rearing
- Major areas of extensive commercial grain farming
- Major areas of mixed farming of the World

Transcontinental Railways:

Terminal Stations of transcontinental railways- Trans Siberian, Trans Canadian, Trans-Australian Railways

Major Sea Ports:

- Europe: North Cape, London, Hamburg
- North America: Vancouver, San Francisco, New Orleans
- South America: Rio De Janeiro, Colon, Valparaiso
- Africa: Suez and Cape Town
- Asia: Yokohama, Shanghai, Hong Kong, Aden, Karachi, Kolkata
- Australia: Perth, Sydney, Melbourne

Inland Waterways:

Suez Canal, Panama Canal, Rhine Waterway and St. Lawrence Seaway

Major Airports:

- Asia: Tokyo, Beijing, Mumbai, Jeddah, Aden
- Africa: Johannesburg & Nairobi
- Europe: Moscow, London, Paris, Berlin and Rome
- North America: Chicago, New Orleans, Mexico City
- South America: Buenos Aires, Santiago
- Australia: Darwin and Wellington

HISTORY

General Guidelines for the class 12 CBSE, History Project Work

1. Title page

- Indicate the title, name of the school, name of the student, Roll Number, Year (2022-23) and name of the teacher

2. Certificates of originality and completion. The format is attached below. (Appendix -I and II)

3. Acknowledgement page

- Mentioning the names of all people who have guided the students in the completion of the project.

4. Table of contents

- With serial number
- Title of the chapter
- Page start- page end.

5. Index of

- Picture Gallery with serial number.

6. Introduction of the project - 1 page (This section should introduce the topic selected by the student with suitable heading)

7. Chapters 1,2,3 etc.

7.1 Map work must be a part of each chapter

7.2 All pictures downloaded from the internet, must indicate the address of the website.

7.3 Pictures / articles (from newspaper etc.)/ following could also be used

- Make a timeline of events
- Make a facts chart
- Make an acrostic
- Take a collection of photography to demonstrate a particular point.
- Make a family tree showing relationships

8. Bibliography - indicating address of the website books, journals books etc. referred.

9. Appendix:-

9.1 * Printout of any correspondence through letter / email to any concerned authority, related to the project.

9.2 * Subject Enrichment Activity -

- o description of the activity along with the assessment criteria
- o pictures of Class XII students taking the workshop in the designated classes
- o picture of students doing the activity,
- o duly filled feedback form of the teacher and the students (2 each)
- o checked worksheet (if any)

o Report of the Subject Enrichment Activity.

10. Pictures of visits to places of historical importance.

11. Printout of the final PPT

- The printout of the PPT/ Movie made for the students, for SEA

12. Conclusion: Under this heading, the students have to conclude the findings of research

PAINTING

- 4 - **Figurative compositions** in A2 size paper with 3 or more figures use any medium (water colour, Poster colour or oil pastel).
- 4 - **Still Life / Object Drawing compositions** in A2 size paper with 3 or more figures use any medium (water colour, Poster colour or oil pastel).
- **20 sketches Daily.**

POLITICAL SCIENCE

Students are to prepare a project report- (could be a ppt, short film, animated film) on the topics indicated per group:

Please note: -

Member of the group are/as per CBSE registration Class XI, the sequence cannot be changed.

Guidelines for Subject having Project Work: 20 Marks

1. Objectives of project work are to enable learners to:

- Probe deeper into personal enquiry, initiate action and reflect on knowledge and skills, views etc. acquired during the course of class XI-XII.
- Analyse and evaluate real world scenarios using theoretical constructs and arguments
- Demonstrate the application of critical and creative thinking skills and abilities to produce an independent and extended piece of work
- Followup aspects in which learners have interest
- Develop the communication skills to argue logically

2. Steps involved in the conduct of the project: Students may work upon the following lines as a suggested flow chart:

- Choose a Title/Topic
- Needs of the Study, Objective of the Study
- Hypothesis
- Content -Timeline, Maps, Mind maps, Pictures, etc.
- Organisation of Material/Data
- Present Material/Data

- Analysing the Material/Data for Conclusion
- Draw the Material/Data for Conclusion
- Bibliography

3. Expected Checklist for the Project work:

- Introduction of topic/title
- Identifying the causes, events, consequences and /or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short -term and long-term implications of strategies suggested in the course of research
- Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footness, resources section, bibliography etc

4. Assessment of Project Work:

- Project Work has broadly the following phases: Synopsis/ Initiation, Data Collection, Data Analysis and
- Interpretation, Conclusion.
- The aspects of the project work to be covered by students can be assessed during the academic year.

List of Students with topics assigned to them:

S.No.	Student Name	Sec	Topics
1	AADYA BHATIA	G	European Union as an Alternative centre of power
2	ABHIRAJ VIJAYRAN	G	
3	ADITYA	G	
4	ANJALI RAIKWAR	G	
6	BHAVYA BINDAL	G	ASEAN as an Alternative centre of power
5	DEVANSH RANIWAL	G	
7	DIGONTO	G	
8	DIVYAM DHAWAN	G	
9	HAREN	G	
10	HARSHITA SINGH	G	BRICS & Russia

11	ISHANK MATHUR	G	as New centres of power
12	ISHITA SHREYA	G	
13	JAPJIT	G	
14	MD ARSHAD	G	China as an alternative centre of power
15	MOXA	G	
16	NAMYA SHARMA	G	
17	NANDINI BENIWAL	G	
18	PARV SHARMA	G	
19	R ADITI	G	Japan, South Korea India as new centres of power
20	RADHIKA GUPTA	G	
21	RAUNAK KHANAWALIYA	G	
22	SAMEER ABBAS	G	
23	SANDHYA RAIKWAR	G	
24	SEJAL	G	End of bipolarity The Berlin Crisis & Breaking of the Berlin War
25	SHREYASI SHUKLA	G	
26	SHRIYANSHI TIWARI	G	
27	VAIDEHI YADAV	G	
<p>(It would be advisable to include a narrative in the presentation 'Prezi' software would be handy for the same)</p>			

S.No.	Student Name	Sec	Topics
1	AASHIMA DABAS	H	Relationship between India & Pakistan, Accord & Discord
2	AASHISH KUKREJA	H	
3	AISHITA	H	
4	ARUSHA MOHAN	H	

5	DIVANK SHOKEEN	H	Relationship between China & India The China,USA,Pak axis
6	FALAK SHARMA	H	
7	JAYA MAURYA	H	
8	KESHAV PODDAR	H	
9	KHWAISH BANSAL	H	India & her neighbour Nepal,Bhutan,Maldives, Bangladesh,Srilanka
10	LARA SIDANA	H	
11	LAVANYA	H	
12	LIVELEEN KAUR	H	
13	MANYA KUKREJA	H	Globalisation: Contributory factors: Impact,Reactions for and against in India
14	NISHESH SINGH	H	
15	OJAS GAUTAM	H	
16	PARI TIWARI	H	
17	PRIYAMVADA GUPTA	H	Recent Development in Indian Politics-including NDA III &IV (2014,2019)
18	ROHAN DHAANIA	H	
19	SAMI RANA	H	
20	SATYAPRIYA NARANG	H	
21	SHALINI LAMBA	H	Formation of new state in India 1950 onwards States Reorganisation Commission
22	SHIVANJALI CHAUHAN	H	
23	SNEHA SOLANKI	H	
24	SNEHAL SINGRIWAL	H	White Revolution,Green Revolution,Food crisis
25	YASH GAUTAM	H	
26	YASHIKA GOYAL	H	
(It would be advisable to include a narrative in the presentation 'Prezi' software would be handy for the same)			

4. Assessing the modified diet to determine whether it is nutritionally balanced
 5. Interacting with an elderly person to determine whether the modified diet is acceptable.
- (reference- NCERT text book pg. no. 67) [ELESSON_HSC_12_PRAC 1.pdf](#)

2. Development and preparation of supplementary foods for nutrition programme.

Theme

Plan a Supplementary Food for Nutrition Programme

Tasks

1. Obtaining the prices of commonly consumed locally available seasonal foods
2. Planning of low-cost recipes for supplementary food for preschoolers attending a Balwadi
3. Preparation of selected recipe
4. Evaluation of prepared recipe

(reference NCERT textbook pg. no. 84) [ELESSON_HSC_12_PRAC 2.pdf](#)

3. Planning a menu for a school canteen or mid-day meal in school for a week.

Theme

Planning a menu for 4 days for a school canteen or one week for a midday meal scheme

Tasks

1. Identifying the type of foods that can be included in the menu for a school canteen or what is generally recommended for a midday meal scheme
2. Identifying foods that are relatively low cost, locally available and nutritious
3. Planning the menu

(reference NCERT textbook pg. no. 99) [ELESSON_HSC_12_PRAC 3.pdf](#)