

MAHARAJA AGRASEN MODEL SCHOOL, PITAMPURA, DELHI-34

HOLIDAYS HOMEWORK

CLASS 12 (2025- 2026)

Regarding the submission of Internal Grades for Class XI and XII

- For the purpose of fostering competencies in learners, the curriculum encompasses seven major learning areas, which are: Languages, Humanities, Mathematics, Sciences, Skill Subjects, General Studies and Health and Physical Education. These areas are broadly divided into electives and compulsory areas.

(i) Health and Physical Education focuses on holistic development, both mental and physical, understanding the importance of physical fitness, health, well-being and the factors that contribute to them. Learners value and engage in practices that promote physical, cognitive, emotional, and social development and wellbeing. This enables learners to connect different areas of knowledge, application, and values with their own lives and the world around them.

(ii) General Studies: The purpose of orienting students to General Studies is to develop in them an appreciation for the holistic nature of knowledge.

- As per the guidelines issued by CBSE, it is mandatory for all schools to submit internal grades to class XI and XII students in these areas.

- For assessment in these areas, students are supposed to submit the project on any one of the following topics given below.

1. The number of women in the police force seems insufficient, thereby highlighting the need of having more women in the police force.

2. In many parts of our country, girls are still discouraged from going to school.

Consequently, a sizable section of the population is deprived of education schemes like Sarva Shiksha Abhiyan, CBSE scholarship to the girl child.

3. Advertisements have become a big business. They are promoted by celebrities drawn from various fields like films, sports, etc., leaving their influence on all people, especially the young.

4. Present-day youth are greatly stressed due to cut-throat competition and consumerist culture that requires a suitable solution.

5. Save blue to save green.

6. Impact of Meditation and Yoga

- Submission of projects can be in the form of PowerPoint or using Adobe Spark or any other online mode.

ENGLISH

A. Art integrated project -

- a brochure on the organic state of India- Sikkim
- Guidelines
- The brochure should be prepared on an A4 sheet, and the presentation should be eye-catching
- Steps to be considered while working on the project
- Browse the information about the topic on the internet.
- Add some relevant pictures. You can draw or paste the same. Give a suitable title to the brochure.
- Prepare it for presenting in the class.

B. 1. Read any one chapter of your choice and write the review.

a) The Rattrap.

b) The Enemy

How to do:- The review is to be written in 250-300 words, keeping in mind the given aspects.

- About the writer
- Summary
- Favourite character
- Analysis

Where to do:- English Notebook.

2. Interview:-

How to do:- Conduct the interview of any three VVIPs of your area and prepare a video (2 minutes)/ pen down it in your English notebook.

Where to do :- English Notebook / mail it to ashima.kathuria@agrasenschool.com

PHYSICS

1. **Art Integrated Project-** Prepare a PowerPoint presentation highlighting the natural beauty of the Andaman and Nicobar Islands. It's Flora and fauna, Inhabitants and natural phenomena occurring. The presentation should contain 10-12 slides.
meenu.anand[@agrasenschool.com](mailto:meenu.anand@agrasenschool.com)
2. **Complete project file.** Design an Investigatory project (Handwritten) on the topic assigned under the following headings:
 - Observation
 - Conclusion
 - Bibliography page- topic
 - Index
 - Certificate
 - Acknowledgment
 - Introduction
 - Content
 - Theory
3. Complete assignments on the chapter covered.

CHEMISTRY

Part A

Art Integrated Project

THEME : Demonstrate various concepts of Chemistry using different art tools of Sikkim

Make a PPT for the project:

- Guidelines:
 1. The presentation should be of 10-15 slides
 - i) Slide one – Name of the School, subject, name of the student, class, and section.
 - ii) Slide two- Index (by using Table)

iii) Slide three- Introduction of your topic

iv) Slide four to 10 or 15 - Content

Kindly email the PPT to the respective subject teacher's email ID

priyanka.garg@agrasenschool.com

mini.aggarwal@agrasenschool.com

Part B

1. Design an Investigatory project (Handwritten) on the topic assigned.
2. Complete chemistry Practical File as discussed using the lab manual.
3. Solve assignments uploaded on SchoolEye.

BIOLOGY

Part A

Biology Art Integrated Project: Theme-Sikkim - a Biodiversity Hotspot

GENERAL INSTRUCTIONS:

- 1) Make groups of 2-3 for Art Integrated Learning.
- 2) Based on the given theme, prepare an illustrated Biodiversity Art Map (using Adobe Spark, Canva, Microsoft Office, etc.) of Sikkim showcasing native flora and fauna (species diversity, maximum 10-12 slides). **For reference**, Students can research endemic species and illustrate them in their habitats.

Kindly email the art-map to neha.sanan@agrasenschool.com

Part B

1. Completion of the assignments and NCERT Questions-answers of the following chapters: Chapter 1- Sexual Reproduction in Flowering plants, Chapter 2- Human Reproduction, Chapter 3- Reproductive Health, Chapter 5- Principles of Inheritance, and Chapter 6- Molecular Basis of Inheritance
2. Design an Investigatory project on any one topic related to Biology under the following headings:
 - First page- topic,
 - submitted to/submitted by Certificate
 - Acknowledgment

➤ Contents

- Introduction
 - Theory
 - Observation
 - Conclusion
 - Bibliography
3. Prepare a presentation (using Adobe Spark, Microsoft Office, etc.) for any one of the following topics: a) Haemophilia b) Pedigree charts and their significance c) Sex linked traits and their inheritance (Maximum 5-7 slides). Kindly email the PPT to the respective subject teacher's mail ID(neha.sanan@agrasenschool.com)
 4. Completion of the Biology Practical file for part A and part B experiments.

MATHEMATICS

A) Complete MCQ and Subjective assignments of the following chapters:

1. Matrices
2. Determinants
3. Relations and functions.
4. Inverse Trigonometric Functions.

B) Complete Maths Practical file. (Activity 1 to 10)

C) Art Integrated Project(Sikkim)

A matrix is a rectangular arrangement of items. Form a 3×3 matrix of any famous items(monuments, places, jewellery, dresses, spices, fish bone articles, jute items, coconut handicraft, timber craft, etc)of Sikkim.For each element a_{11}, a_{12}, \dots) in this array, write any two interesting facts or useful information to explore more about the state..

COMPUTER SCIENCE

- a) Completion of Investigatory Project. Download a CSV file and make an investigative project for that. You have to produce the following:
 1. Minimum 10 queries based on CSV, demonstrating filtered data, information retrieval, and data analysis.
 2. Use a menu-based program to access these options.
 3. Submit the abstract and CSV code.
 4. CSV dataset can be downloaded from www.kaggle.com ,
 5. All sample projects/links are shared on www.bit.ly/chandnixii

Sample datasets: Student Scores, IPL Records, Movies Dataset ,Weather Data, ,Book Ratings

b) Complete Practical File Questions for the curriculum covered.

 practicalfile_index_24.docx (link to practical file index) Q1-10, 16-19 to be done .

c) Revise for the Comprehensive Exam & Practice previous year papers from this site

<https://www.cbse.gov.in/cbsenew/question-paper.html>

d) Complete the CSV, stack, and Computer Networking assignment.

ECONOMICS

a) Completion of the Art integrated project

As part of the guidelines by the CBSE all students are required to prepare art-integrated projects under the "Ek Bharat Shreshtha Bharat programme". For CBSE Art Integrated Learning and Project Work, in Academic Session 2025-26, Delhi has been paired with Sikkim. Students have to work in a group of 4 to 5.

Make a PPT (8-10 slides)/ a small video of about 2 minutes on the topic assigned to your group and mail to sonia.khosla@agrasenschool.com / Rekha.Sharma@agrasenschool.com .

Group 1 - Organic farming in Sikkim

Group 2 - State of poverty in Sikkim

Group 3- State of Agriculture and Allied Activities in Sikkim

Group 4- State of the industrial sector in Sikkim

Group 5- Workers' participation rate, Sikkim

Group 6- State of education and health sectors in Sikkim

Group 7- HDI of Sikkim

Group 8 - Sectoral composition in Sikkim

Group 9 - State of infrastructure in Sikkim

b) 1 . Completion of the project file.

2. Completion of the assignments of the following chapters

- Indian Economy on the eve of Independence
- Money and Banking
- National Income

ACCOUNTANCY

Part A

Complete the following Art integrated project - Analysis of Financial Statement for the year 2024-25 company operating in Sikkim. You can present using a pie chart or a bar diagram.

Part B

1. Complete the project file
2. Complete the following assignment-
 - Change in profit-sharing ratio
 - Admission of a partner
 - Retirement of a partner
 - Death of a partner

BUSINESS STUDIES

PART A

Art Integration Work

Do any 1 of the following-

- Choose a generic product of Sikkim. Prepare an e-poster covering its Product Mix.
- Choose a generic product of Sikkim. Prepare an e-poster covering its Promotion Mix.

Mail Id for sharing the e-poster

bstailproject12th@gmail.com

PART B

- Preparation of the Project file according to CBSE guidelines.
- Revise the chapters for the Comprehensive Exams.
- Complete the assignments of the chapters:

Business Environment

Marketing

POLITICAL SCIENCE

A- Design a poster on the type of government in Sikkim

B- Make a project file according to CBSE guidelines.

Complete the assignments given in class.

PSYCHOLOGY

Part A (Psychology Art Integrated Project)

Theme- A Teen's Life in Sikkim

Imagine you are an adolescent living in Sikkim, experiencing emotional or social challenges. Write a diary entry in 200-250 words expressing thoughts, feelings and struggles.

Attempt this work in neat handwriting in your Psychology register.

Part B

1. Complete assignments and NCERT question answers of following chapters: Chapter 1- Variations in Psychological Attributes, Chapter 2- Self and Personality in Psychology register.
2. Complete your Practical File and Case Profile as per CBSE guidelines shared and discussed in class.

INFORMATICS PRACTICES

Task 1: Data Analysis

Download a csv file from <https://www.kaggle.com/> . Import data in python using pandas and perform analysis on the dataframe.

Task 2 : Complete the Practical File on topics covered in class.(Numpy and Pandas)

PHYSICAL EDUCATION

1. Prepare Unit-1,2 and 3 for Comprehensive Exams

2. Completion of Practical file

GEOGRAPHY

Part A

Art-Integrated Homework for Class XII Geography Students.

Theme: Sikkim – The Land of Mystical Beauty

Objective:

To explore and appreciate the rich cultural, artistic, environmental, historical, and linguistic heritage of Sikkim through an interdisciplinary and creative approach.

- Make a **physical and political map** of Sikkim showing major rivers, districts, and tourist places.
- Study the impact of **landslides and climate change** in Sikkim.

Submission Guidelines:

Submit your artwork, sketches, maps, infographics, and posters either digitally or as physical copies.

Include brief explanations or captions for each submission to demonstrate understanding and context.

Ensure all submissions are neatly organized and clearly labelled with your name, class, and assignment title.

Digital things are to be mailed to pushpendra.singh@agrasenschool.com

Assessment Criteria:

Artistic creativity, originality, and attention to detail.

Accuracy and relevance of geographical information presented.

Effective communication of cultural and environmental themes.

Overall presentation and effort in completing the tasks.

Part B

Students will be assigned a Chapter from the books and they have to prepare a Powerpoint Presentation, which they will be presenting in the classroom after summer vacation.

GEOGRAPHY PPT PRESENTATION GUIDELINES

(To be presented after summer vacation)

Objective:

To understand the assigned chapter thoroughly and present key concepts, facts, and visuals in a creative and informative way using PowerPoint.

GENERAL INSTRUCTIONS**Chapter Allotment:**

Each student will be assigned one chapter from the Geography textbook.

Presentation Time:

Each student will get 5-7 minutes to present.

Submission Deadline:

Submit the final PPT on the first day(July 03, 2025) after summer vacation (pen drive/email to pushpendra.singh@agrasenschool.com).

CONTENT GUIDELINES :

Your presentation must include the following:

Title Slide:

Chapter name

Your name, class, and roll number

Overview Slide:

A short summary/introduction of the chapter

Main Content Slides:

- Key concepts and terms (define and explain clearly)
- Maps, diagrams, and relevant pictures (must be labeled properly)
- Important facts, data, and case studies
- Any recent updates/news/events related to the topic (if applicable)
- Analysis/Application Slide:
- How the concepts relate to real life/current events/environment
- One personal reflection or observation, if any

Conclusion Slide:

- Summary of important points
- Takeaways or lessons learned

Bibliography Slide:

List of books, websites, or other sources used (if any)

PRESENTATION GUIDELINES :

- Speak clearly and confidently.
- Use bullet points, not long paragraphs.
- Do not read directly from the slides—explain in your own words.
- Make eye contact with the class.
- Engage your audience—ask a question or include a fun fact.

DESIGN TIPS :

- Use legible fonts and clear headings.
- Stick to 1-2 background colors and 2-3 fonts for a neat look.
- Use relevant images and maps.
- Avoid overcrowding slides—keep text minimal and focused.