

HOLIDAYS HOMEWORK

CLASS XI (2025- 2026)

Regarding 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 the schools to submit internal grades to class XI and XII students in these areas.

- For assessment in these areas, students are supposed to submit 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 is 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 the project can be in the form of PowerPoint or using Adobe Spark or any other online mode

ENGLISH

PART A

Create a poster on the scenic beauty of Sikkim. Use attractive visuals and write a few lines highlighting its natural charm, famous places, flora and fauna as well as cultural richness. Make your poster colourful and creative. (on A4 sheet)

PART B

Crafting a resume for a coveted position on the School Council is an opportunity to weave a tapestry of achievements and aspirations, reflecting a commitment to excellence and a passion for serving the school community. With meticulous attention to **detail and a touch** of eloquence, let's present a resume that shines brightly, capturing the essence of your candidacy.

Exemplar Resume for School Council Candidature

Name:

Class and Section :

Contact Information: email ID:

Objective: To serve as a dedicated member of the School Council, contributing to the enhancement of student experiences, fostering a culture of inclusivity, and facilitating positive change within the school community.

Qualification

Percentage-

- Academic Achievements: [List any notable academic accomplishments]

Extracurricular Activities:

- [Activity Name or Position Held]: [Brief description of involvement and contributions]

Leadership Experience:

- [Position Held]: [Brief description of responsibilities and achievements]

Volunteer Experience:

- [Organization Name or Cause]: [Brief description of involvement and impact]

Skills:

- [Skill 1]: [Brief description or example of proficiency]

May this resume serve as a testament to your dedication, enthusiasm, and vision for shaping a brighter future for the school community.

C. Revise all the chapters and writing skills taught in the class also I urge you to indulge in the enriching experience of perusing the pages of an English newspaper each day, amidst the tranquil days of summer break.

MATHEMATICS

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

1. Sequence and Series
2. Trigonometric Functions

B) Art Integration Project (Sikkim)

Make a wall hanging or a jewellery item using bamboo and cane, depicting Geometric Progression

OR

Take an A4-sized sheet. Using cotton, wool, golden thread, etc, and pasting material makes a beautiful pattern depicting Geometric Progression

C) Complete Practical file (Activity 1 to 10)

PHYSICS

1. Prepare your practical file record in advance. Write all 15 experiments and 6 Activities as per ‘[syllabus 2024](#)’ loaded on your school website, and using the Lab Manual and teacher support material.
2. Prepare a PowerPoint presentation (PPT) on any three fully explored topics of your interest in physics (within the framework of CBSE curriculum)

Note:

1. (PPT) must consist of minimum of 20 slides
 2. PPT can be done in a group of max. 3 students.
 3. Submit your work on following mail address std.work.mams2023@gmail.com
For class 11A and 11B
3. Solve assignments loaded on SchoolEye.

CHEMISTRY

Part A

1. Completion of 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. Solve the worksheet of numericals in the assignment register.

Worksheet is uploaded in SchoolEye.

Structure of Atom

2. Compile all the formulae of Unit 1 and 2 on A4 A4-sized sheet with proper headings and make it impactful.
3. Mind Map: Prepare a mind map on A-4 size sheets of physical and chemical properties of s and p block elements.

BIOLOGY

Part A

1. Make groups of 2-3 for Art Integrated Learning.
2. Design a presentation (using Adobe Spark, Canva, Microsoft Office, etc.) on “**Indigenous Medicinal Plants of Sikkim**”. Include photographs of species diversity of Medicinal plants used by the indigenous tribes of Sikkim. Combine botanical sketches with traditional tribal art patterns (Maximum 10-12 slides). Kindly email the presentation (PPT) to neha.sanan@agrasenschool.com

Part B

3. 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
 - Data statistics/analysis
 - Bibliography
4. Complete Biology Practical File for Section A and Section B experiments.
 5. Complete Assignment registers for the following chapters: The Living World, Biological Classification, The Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants

COMPUTER SCIENCE

- Complete the Assignments - Data Conversion Back exercise and if statement (School eye) in your Computer Science notebook.
- Create an interactive Python program in the form of a **quiz, game, tutorial, or chatbot**, themed around the **Delhi-Sikkim Collaboration**. The content should incorporate facts, culture, geography, and history related to **Delhi and Sikkim**, promoting awareness and cultural exchange between the two regions.
- Explore any three modules of Python and write any 5 functions of each module with their significance.

ECONOMICS

(a) As part of the guidelines by the CBSE, all students are required to prepare Art- integrated projects under the “Ek Bharat, Shrestha Bharat Programme.” For CBSE Art Integrated Learning and Project Work, Academic Session 2024-25, Delhi has been paired with Sikkim. Students have to work in a group of 4 to 5.

Collect data on the topic assigned to your group and present it in the form of graphs/diagrams on an A-4 size sheet. The presentation should be done in an artistic and creative manner.

Group 1- Population of Sikkim

Group 2- GDP of Sikkim

Group 3- Agricultural output of Sikkim.

Group 4- Industrial output of Sikkim

Group 5- Poverty in Sikkim

Group 6- Tourism in Sikkim

Group 7- Birth rates in Sikkim

Group8- Death rates in Sikkim

Group 9-Sex ratio in Sikkim

(b) Complete the assignments given.

- A-1 Chapter-Introduction to Microeconomics
- A-2 Chapter-Introduction to statistics
- A-3 Chapter-Collection of Data

ACCOUNTANCY

Part A

1. Complete the following Art integrated project - Design book cover page of accountancy (you can use any app)for the year 2025-26 based on Sikkim You can do this work in group (4-5).

Part B

Complete the assignment- Accounting equation

BUSINESS STUDIES

PART A

Art Integration Work

Do any 1 of the following-

Prepare poster on A4 size sheet on any of the following

- (a) Main industries of Sikkim.
- (b) Business and agriculture of Sikkim..

PART B

1. Select any 10 Indian companies across various sectors (like banks, insurance companies, automobile, pharmaceutical, consumer goods, etc.). Give information about their punchline and logo.(Assignment register)

2. Complete the assignments of the chapter:

Forms of business.

3. Preparation of Project file according to CBSE guidelines.

POLITICAL SCIENCE

A- Art integration

Design a brochure about the political system/life of Sikkim

B- Complete the project file according to CBSE guidelines. Do the assignments given in class.

PSYCHOLOGY

PART-A

Mindful marks from Sikkim

Design a bookmark combining tribal symbols/ art from Sikkim and psychology quotes. Decorate with Sikkimese-style.

PART-B

1. Complete assignments and NCERT question answers of the following chapters in your Psychology register: Chapter 1- What is Psychology, Chapter 2- Methods of enquiry in Psychology.
2. Prepare one project /small study involving the use of different methods of enquiry like observation, survey, interview, questionnaire related to (any **one**) topic:

- Bullying/ Cyberbullying
- Mental health and wellbeing
- Impact of social media on the youth today
- Altruism and its impact on wellbeing
- Peer Pressure
- Anger management
- Sleep Hygiene
- Changing Gender roles and stereotypes
- Cooperation and Competition
- Compliance and Obedience

You may also choose to do a project on any topic covered in the course (e.g., Human development, Learning, Memory, Motivation, Perception, Attention and Thinking).

Note: Use A4-sized thread file to compile your project.

GEOGRAPHY

Art-Integrated Homework for Class XI 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.
- Analyze the **economic structure** of Sikkim: agriculture, tourism, and organic farming.
Present a **case study on Sikkim's organic farming success** and its impact on employment and economy.

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.

INFORMATICS PRACTICES

Task 1: Mini Project - Quiz

Prepare a python quiz on general awareness on any topic of your choice. Quiz must include a minimum of 10 questions and a score should be displayed.

Task 2:

Explore Random Module given at <https://www.pythonforall.com/modules/random>

Try creating some fun programs with it. Paste code and output in the notebook

Task 3:

Complete the If statement assignment in your Informatics Practices notebook.

PHYSICAL EDUCATION

1.Completion of Practical file