



SUMMER HOLIDAY HOMEWORK CLASS XI



Dear Parents

As the holiday break approaches, it presents an opportune time for students to unwind, rejuvenate, and spend meaningful moments with family. It is also a period that can be thoughtfully utilized to reinforce learning and cultivate essential skills beyond the confines of the classroom.

The holiday homework has been meticulously designed to promote independent learning, critical thinking, and creative expression. The assignments aim to integrate scholastic concepts with real- life applications, thereby fostering a deeper understanding and appreciation of the subjects. These tasks include a balanced blend of reading, research-based exploration, experiential learning, and reflective writing, all aligned with the overall educational objectives of holistic development.

We earnestly request your cooperation in motivating and monitoring your child's academic engagement during the break. Your support plays a pivotal role in encouraging self-discipline, responsibility, and a positive attitude toward learning. Kindly ensure that the work is completed with sincerity and originality, and that the process remains stress-free and enjoyable.

Let this holiday be a time not only for rest and recreation but also for meaningful intellectual engagement and personal growth.

With warm regards,

Adarsh World School

ENGLISH

Dear Students,

Grammar doesn't always have to be boring—it can be fun, colorful, imaginative, and even futuristic! This holiday, we invite you to explore the world of grammar in a more creative way.

Choose one of the following projects, and use your ideas, visuals, and words to bring grammar to life.

1. Grammar Magazine – “The Grammar Gazette”

Design a mini-magazine all about grammar.

Include things like:

- Articles or short write-ups on grammar rules (tenses, modals, etc.)
- Fun pages: puzzles, jokes, grammar memes
- A page on “Common Mistakes” and how to fix them.
- A fun cover and creative layout.

2. Grammar Comic Book – “The Adventures of Captain Grammar”

- Create a comic where grammar is the hero!
- Make up characters (like Noun-Man, Verb-Vixen, Adjective Alien)
- Show how they fight grammar villains (like Mr. Wrong-Tense or Miss Punctuation)
- Tell a short story using speech bubbles and simple grammar rules.
- Make it colorful and fun to read.

3. Grammar Scrapbook – “Grammar in Real Life”

- Make a scrapbook using real examples from newspapers, ads, or your surroundings.
- Find and stick examples that show grammar in action.
- Highlight parts of speech, tenses, prepositions, etc.
- Write short notes explaining the grammar used.
- Add a few pages of your own writing, applying the rules.

4. Grammar Time Capsule – “Grammar in the Year 2050”

- Imagine what grammar might look like in the future!

	<ul style="list-style-type: none"> • Will we still use full sentences or just emojis? • Create fictional stories, texts, or conversations in "future grammar" • Compare it with current grammar rules. • Add a reflection on whether rules should change or stay the same. <p><u>How to Present Your Project:</u> Use charts, drawings, colors, or digital tools—whatever suits your idea.</p>
HINDI	<p>1- वर्कशीट का प्रिंट निकाले व बहु वैकल्पिक प्रश्नों को हल करे ।</p> <p>2- सिक्किम की ऐतिहासिक परंपराओं पर शोध कर एक चित्र सहित सुंदर लेख लिखें।(100-120 शब्द सीमा)</p> <p>3- ‘ज्ञानपीठ पुरस्कार’ विजेताओं का एक कोलाज बनाए। (विजेता का नाम, पेशा, पुरस्कार का सन् एवं उपाधि आदि का उल्लेख करे।)</p>
MATHEMATICS	<p>1) Prepare a mathematical illustration on an A3 size sheet to represent the set theoretic approach to festivals celebrated in Sikkim.</p> <p>2)Prepare a working/ non working model based on</p> <ul style="list-style-type: none"> ■ Probability (Roll_no. 1 to 10) ■ Conic Sections (Roll_no. 11 to 20) ■ Binomial theorem (Roll_no. 21 to 30) ■ Permutation and Combination (Roll_no. 31 to 40) ■ Intro to 3D (Roll_no. 41 to 50) <p>3) Revise PA1 syllabus.</p> <p>4)Prepare a project on any topic of your choice out of the following given below:</p> <ul style="list-style-type: none"> ■Daily life categorisation using sets and Venn diagrams. ■Trigonometry in architecture and nature. ■Visualizing and applying complex numbers. ■Decision making under constraints

PSYCHOLOGY	<p>1.) Read the 1 & 2 chapter from textbook.</p> <p>2.) Complete your notes and practice question answers for the first two chapters for PA-I.</p> <p>3.) Prepare a model or chart paper on any one topic:</p> <ul style="list-style-type: none"> (a) Exam Stress and Academic Pressure (b) Coping with Family Expectations (c) Peer Pressure and Substance Abuse (d) Gender – based Stressors and Mental Health (e) Pioneers and founders of psychology <p>4.) Project/small study using of different methods of enquiry like observation, survey, interview, questionnaire related to the following topics:</p> <ul style="list-style-type: none"> • Bullying/Cyber bullying • 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
COMPUTER SCIENCE	<p>Q1. Prepare a presentation in SWAY on any one of the topics listed below and share the link with jgahlot007@gmail.com</p> <ul style="list-style-type: none"> • Wi-Fi Networking Concepts • Social Networking effects • Cyber Laws / Security • What makes a country developed?

	<ul style="list-style-type: none"> • Cyber Crimes • Internet Vs Newspapers • Technologies that will disappear in next 5 years <p>Q2. Complete the worksheet in your computer science notebook.</p>
ARTIFICIAL INTELLIGENCE	<ol style="list-style-type: none"> 1. Complete your notes and practice question answers for Unit-1 [Communication Skills - I] and Unit-2 [Self Management Skills] for PA-I. 2. Complete the Worksheets for Unit 1 and Unit 2 in the Artificial Intelligence Notebooks. 3. Complete the Python programs and submit them in a Report File.
PHYSICAL EDUCATION	<ol style="list-style-type: none"> 1. Complete practical file 2. Complete your notes. 3. Essay Writing on the theme “Sports Heroes of Sikkim.”
ECONOMICS	<p>Do the following questions.)</p> <p>1. Concept-Based Questions (Short Answers) Answer the following questions in about 60-80 words each:</p> <ol style="list-style-type: none"> (a) What is microeconomics? How is it different from macroeconomics? (b) Define an economy. Why is it important to study economics? (c) Explain the problem of scarcity with an example. (d) What are the central problems of an economy? (e) Distinguish between positive and normative economics With examples. <p>2. Research Activity: Types of Economies Make a comparative chart of the following economies:</p> <ul style="list-style-type: none"> - Capitalist Economy (e.g., USA) - Socialist Economy (e.g., North Korea) - Mixed Economy (e.g., India) <p>Include:</p>

	<ul style="list-style-type: none"> - Definition - Main features - Role of government - Examples <p>Present creatively using colored charts or tables.</p> <p>Kindly note- Submission Guidelines</p> <ul style="list-style-type: none"> - Do all work neatly in notes notebook. - Include headings, subheadings, and drawings wherever necessary. - Submission Date: 01/July/25
ACCOUNTANCY	<ol style="list-style-type: none"> 1. Complete Project work 2. Complete Assignment 3. Complete Notes from CH-1 TO 5.
BUSINESS STUDIES	<ol style="list-style-type: none"> 1. Complete Project work 2. Complete Assignment 3. Complete Notes of CH-1 and CH-2.
HISTORY	<ul style="list-style-type: none"> ● Revise Theme-1 & 2 ● Complete your practical file on the assigned topic. ● Do the worksheet. <p>(NOTE: The practice questions should be done in History notebook only.)</p> <ul style="list-style-type: none"> ● Write an essay describing your visit to the National Museum in Delhi, highlighting the historical artifacts, artistic masterpieces, and cultural treasures you observed.
POLITICAL SCIENCE	<ul style="list-style-type: none"> ● Complete your practical file on the assigned topic. ● Do the worksheet ● NOTE: The practice questions should be done in History notebook only. ● Prepare a model on Sustainable Development Goals (SDGs). <p>◆ Roll no. 1 to 5- SDG 5: Gender Equality</p>

Model Idea: "Breaking Stereotypes Board"

- Design a flipbook or interactive display showing gender-neutral careers (female engineers, male nurses).
- Discuss equality in education and jobs.

◆ **Roll no. 6 to 10- Partnerships for the Goals**

Model Idea: "Global Goals Collaboration Map"

- Create a world map with pins/flags showing how different countries contribute to SDGs.
- Highlight international cooperation (e.g., UNICEF, WHO).

◆ **Roll no. 11 to 15- Climate Action**

Model Idea: "Carbon Footprint Tracker"

- Create a poster/model showing how daily activities (transport, electricity use) contribute to CO₂ emissions.
- Suggest ways to reduce carbon footprint (walking, planting trees).

◆ **Roll no. 16 to 20- "Poverty Cycle vs. Empowerment Ladder"**

(Interactive 3D Model)

Divide the Model into Two Sections:

Left Side (Poverty Cycle):

📖 Draw a rotating wheel showing causes (unemployment, illiteracy, hunger).

📖 Add chains or arrows showing how poverty passes to the next generation.

Right Side (Empowerment Ladder):

📖 Build a ladder with steps labeled:

📖 Education → Skill Training → Job Opportunities → Financial Stability

📖 Place toy figures climbing the ladder.

◆ **Roll no. 21 to 25- Zero Hunger**

Model Idea: "Hydroponic Farming"

- Build a small hydroponic setup (plants growing in water without soil).

- Explain how this can help in food-scarce regions.

◆ **Roll no. 26 to 30**

1. "The Inequality Balance Scale"

- Hang a weighing scale (cardboard) with one side heavier (privileged) and the other lighter (marginalized).

- Add small weights labeled "Education," "Jobs," "Healthcare" to balance it.

2. "Barriers vs. Opportunities" Collage

A split poster:

Left side: Barriers (poverty, discrimination, no schools).

Right side: Solutions (mid-day meals, free coaching, women empowerment).

3. "Equality vs. Equity" 3D Model

Show three people of different heights trying to watch a match over a fence:

Equality (same-sized box – doesn't help the shortest).

	<p>Equity (different-sized boxes – everyone sees).</p> <p>❖ Roll no. 31 onwards- Prepare a poster on SDG 04</p> <p>Select one recent news event (e.g. India's stance on the Ukraine war, India-Pakistan conflicts, Baluchistan's liberation announcement etc)</p> <p>(FOR EACH ANSWER)</p> <ul style="list-style-type: none"> • What happened? • Which political science concepts apply (e.g., federalism, diplomacy, fundamental rights)?
COMMERCIAL ART	<ol style="list-style-type: none"> 1. Make a beautiful nature scene of Sikkim on A2 size 2. Make 4 slogans on A2 size sheet 3. Make 10 sketches on A3 size sheet
PHYSICS	<ol style="list-style-type: none"> 1. Complete assignment 2. Complete project work 3. Complete notes till motion in plane.
CHEMISTRY	<ol style="list-style-type: none"> 1. Prepare a chemistry investigatory project on the topic assigned to you. Use A4 size sheets for the project. 2. Wall hanging on products of aldol and cannizzaro's reaction (Both cross and self). Select different reaction showing aldol (both self and cross and cannizzaro reaction. Using those reactions create a wall hanging. Be creative in depicting it in a different manner. 3. Art Integration: Create a flipbook depicting application of five organic compounds. Organic compounds are present in every domain in life. Select at least five such compounds and create a pictorial flip book showing its importance in our daily life. Refrain from using very commonly used organic compounds.

	<p>4. Complete your class notes till chapter 2</p> <p>5. Do the assignment.</p>
BIOLOGY	<p>1) Complete Notes of Chapter - “Plant Kingdom”.</p> <p>2) Complete the project file according to the topics Assigned Roll no. wise.</p> <p>3) Make a chart / model in alignment with the project file Topic.</p> <p>4) Revise PA1 syllabus and solve the assignment shared in the group.</p>