



SACRED HEART SCHOOL

Moga, Punjab
Session: 2025-26



Holidays Homework for Academic Year 2025-26

STD: IX

Subject	Topics
Eng I	<p style="text-align: center;">ENGLISH I</p> <p>Composition:</p> <ol style="list-style-type: none"> Write an original short story that begins with the words: "It was raining hard that night. In my hurry to get into the house, I did not notice the black car parked across the road. I realized something was wrong when....." Narrate an incident from your own experience when you helped a friend who was in trouble. Explain what happened. What did you do to make the situation better? You had been waiting outside the examination hall. Describe what you saw and the sounds you heard when you arrived at the place. What were your feelings? Describe how the scene changed once you entered the hall and the examination started. <p>Note:</p> <ul style="list-style-type: none"> Choose any two of the given topics. Write well-structured essays (approx. 300-350) that include- A clear introduction, body paragraphs with supporting details and appropriate conclusion. <p>Letter:</p> <ol style="list-style-type: none"> Your uncle has offered to get you a pet for your birthday. Write a letter to him telling him what you would like, give reasons for your choice, and tell him how you would take care of your pet. The traffic outside your school is very heavy and chaotic. Write a letter to the Deputy Commissioner of Police (Traffic) pointing out the danger of such heavy and chaotic traffic in a school zone. Suggest possible solutions for the problem. <p>Note: Attempt both of the given options.</p> <p>Instructions:</p> <ul style="list-style-type: none"> Students will write the given project on the assignment sheets. The work should be neat and legible. There must be an introduction and conclusion of the given assignment(s). The project must have a face sheet (front page) with the name of the school, title, students' details and name of the subject teacher. It must contain an acknowledgement sheet (just after the front page) and a bibliography sheet (in the last). Both of the assignments (English I & English II) must be given in separate transparent files. <p style="text-align: center;">*****</p>
Eng II	<p>'Millionaire models,' remarked Alan, 'are rare enough; but, by Jove, model millionaires are rarer still!' Justify this comment with the reference of the short story 'The Model Millionaire'. (400-500 words)</p>
Punjabi	<ul style="list-style-type: none"> ਸਾਡੇ ਦੇਸ਼ ਵਿੱਚ ਪਾਈਆਂ ਜਾਣ ਵਾਲੀਆਂ ਕੋਈ ਅੱਠ ਸਮਾਜਿਕ ਸਮੱਸਿਆਵਾਂ ਤਸਵੀਰਾਂ ਸਹਿਤ ਲਿਖੋ। ਰਸਮੀ ਅਤੇ ਗੈਰ-ਰਸਮੀ ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ ਲਿਖੋ।
Maths	<p>Instructions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Select any two projects out of these mentioned topics. <input type="checkbox"/> Each project should be of 12 – 15 pages. <input type="checkbox"/> Projects should be self-made and should not be copied directly from any website or another student, otherwise that student have to recreate the project. <input type="checkbox"/> Student have to prepare the soft copy of their projects and will send via email to their respective

subject teachers.

- Students will keep their project safely with them because after vacations, presentation will be done by each student in the class.
- Final marks will be assigned by the teacher on the basis of student's presentation in the class.

MAKE ANY TWO PROJECT FROM GIVEN BELOW:

- 1) Study ways of raising a loan to buy a car or house, e.g., bank loan or purchase a refrigerator or a television set through hire purchase.
- 2) Cutting a circle into equal sections of a small central angle to find the area of a circle by using the formula $A = \pi r^2$.
- 3) To use flat cutouts to form cubes, cuboids, and pyramids to obtain formulae for volume and total surface area.
- 4) Running a tuck shop/canteen.
- 5) Conduct a survey of a group of students and represent it graphically-height, weigh, number of family members, pocket money, etc.

NOTE: PROJECTS SHOULD NOT BE COPIED EXACTLY FROM ANY WEBSITE.

Hindi

1. भारत के किन्हीं चार मेलों व त्योहारों का महत्व बताते हुए चित्र सहित वर्णन कीजिए।
2. पाठ्यक्रम से संबंधित किसी भी कवि या लेखक का साहित्यिक जीवन परिचय वर्णन कीजिए।

Phy

Important Guidelines-

All the students are instructed to refer this link for lab manual work for the completion of your practical file, 2025-2026.

https://drive.google.com/file/d/1x1OxzR6GBsi3X2rcFBdURtOikcBI6z3w/view?usp=drive_link

Writing part on white page to be done with pencil	On ruled page
Aim	Aim
Apparatus used	Apparatus used
Diagram	Procedure
Observations and calculation	Precautions
Result	Result

Note:

1. Writing part on white page to be done with pencil and on ruled page with pen.
2. Diagrams should be neat and clean and properly labeled.

Chem

Students are required to prepare the following project and submit the project either in lab practical file or separate small notebook.

Roll No.	PROJECT TITLE
1, 17,33 ,49	What you can do to protect our planet?
2, 18,34,50	How to overcome energy crisis by use of hydrogen is a fuel (hydrogen economy)?
3, 19,35, 51	Application of solar energy in different fields (lightening, water pumps, cold storage, dryers, boiler, engines).
4 ,20,36,52	Use of 3Rs in daily life
5,21,37,53	Use of artificial intelligence in handling chemical waste.

	6,22,38,54	Applications of chemistry in daily life
	7,23,39,55	Save earth by saving water
	8,24,40	Energy out of Waste
	9,25,41	How to transform waste plastic to fuel and petrochemicals.
	10,26,42	Green chemistry
	11,27,43	Alternate Solutions to stubble burning
	12,28,44	List out the various new chemical processes used to clean dirty river water to pure drinking water.
	13,29,45	Sustainable Development Goals by UN.
	14,30,46,	Marine debris, a global problem.
	15,31,47	Make a chart on Types of chemical bonding
	16,32,48,	Make a chart on Periodic Table

Bio

Complete the given practical work for ICSE Internal assessment marks. You must use HB Pencil for writing content, drawing diagrams and labelling. Handwriting, Neatness & clarity of diagrams will be counted for awarding marks.

is-Civ

Summer vacation Project work – Highlight the Civic issues of your locality and what suggestions you can offer to address them.
OR
Make a pictorial presentation with description of inventions and innovations as a result of Industrial Revolution.

Instructions:

- Select any one project from the above list.
- Must be handwritten with the following features – 1)Title page with Topic name, student name, class, section, Admission number, Submitted to etc. particulars, 2)Acknowledgement page 3) Index page 4) minimum15 pages of main body of the project, 5)Bibliography
- The handwritten project must be free from plagiarism and students should able to answer any questions regarding it.

Geo

Topic: Collect information on different global environmental issues and communicate your findings in the form of a report with suitable solutions.
Instructions:
Instructions:

- Must be **handwritten** and neatly presented.

Include:

1. **Title Page** (Topic name, student name, class, section, Admission number, Submitted to etc.)
2. **Acknowledgement**
3. **Index**
4. **Main Content** – *Minimum 10 pages*
5. **Bibliography**

- Use **own words; no plagiarism.**
- Add **10+ relevant pictures** with captions.
- Be ready for **viva questions.**
- Maintain **clean handwriting and layout.**

Comp (Robotics & AI)

Instructions

1. Select one topic each from Task 1 and Task 2 (include both task in single PPT)
2. Understand the Topic: Ensure you have a clear understanding of the topic you're presenting. Research thoroughly to gather relevant information.
3. Organize Content: Structure your presentation logically with a clear introduction, main points, and conclusion. Use headings and bullet points to organize information.
4. Limit Text: Avoid overcrowding slides with too much text. Use concise phrases or keywords to convey key points, and elaborate on them verbally during the presentation.
5. Use Visuals: Incorporate visuals such as images, charts, graphs, and videos to enhance understanding and

engagement. Ensure visuals are relevant and properly cited.
 6. Choose Fonts Wisely: Use readable fonts like Arial, Calibri, or Times New Roman. Avoid decorative fonts that may be difficult to read. Maintain consistency in font style and size throughout the presentation.
 7. Practice Good Design Principles: Follow design principles such as contrast, and repetition to create visually appealing slides. Ensure elements are aligned properly and maintain consistency in design elements.
 8. Prepare Backup: Have a backup plan in case of technical difficulties. Save your presentation on multiple devices

For Task 2:

9. Insert a clear screenshot of the circuit designed in Tinkercad.
10. Provide a brief overview (3–5 sentences) summarizing the project's purpose, functionality, and significance.
11. List all hardware and software components used in project.
12. Discuss potential real-world applications of the project.
13. Number of Slides: PPT must have minimum 12 slides.

Task 1:

1. The Impact of Robotics on Manufacturing Industries:

Analyse how robotics has revolutionized manufacturing processes. Discuss the advantages and challenges associated with the widespread adoption of robotic automation in industries such as automotive, electronics, and aerospace.

2. Ethical Dilemmas in Autonomous Vehicles:

Investigate the ethical considerations surrounding the development and deployment of self-driving cars. Discuss issues such as safety, decision-making algorithms, liability, and societal impact.

3. Robotics in Healthcare: Robotic Surgery and Rehabilitation:

Examine the role of robotics in surgical procedures and rehabilitation therapies. Discuss the benefits, challenges, and future prospects of using robots in healthcare settings to enhance patient outcomes.

4. Human-Robot Interaction and Collaboration:

Explore the field of human-robot interaction (HRI) and the challenges involved in designing robots that can effectively collaborate with humans. Discuss applications in collaborative robotics, assistive robotics, and social robots, considering factors such as trust, communication, and user experience.

5. Robotics and AI in Education:

Explore innovative uses of robotics and AI in educational settings to enhance learning outcomes. Discuss applications such as personalized learning, intelligent tutoring systems, educational robots, and virtual reality simulations

Task 2 (On tinkercad)

1. Traffic control system
2. Blind man stick
3. Smart dustbin
4. Smart parking system
5. Plant watering system

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SUPW	<p>The SUPW (Socially Useful Productive Work) project for Grade IX students is divided into two categories for the academic year 2025–2026.</p> <p style="text-align: center;">Category I: SUPW at Home</p> <p>Students are required to spend at least 30 minutes per day on SUPW activities at home. Each student must record any ten tasks performed during the month of June in the SUPW Record Book on Page No. 30. Please note that ordinary or routine tasks, such as making your bed, laying the table, keeping your home tidy, or running errands for your parents, should not be included. Only tasks of a special nature, which require a considerable amount of time and effort, should be recorded. Examples of acceptable activities include:</p> <ul style="list-style-type: none"> • Gardening • Defrosting and cleaning the refrigerator • Weeding the garden • Polishing furniture • Teaching a younger sibling or a neighbour’s child <p>Photographic proof of each activity must be attached in the SUPW Record Book.</p> <p style="text-align: center;">Category II: Craft/Skill</p> <p>Students must choose one main craft or a subsidiary craft as listed in the SUPW Record Book on Page No. V. They are required to fill out the following sections:</p> <ol style="list-style-type: none"> 1. Assessment Record for Craft/Skill – Include only the name of the school, name of the candidate,
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year, standard, and date under the tabs: Planning, Execution, Resourcefulness, and Interest (refer to Page No. 76 for sample format).

2. Student's Record of Craft/Skill – Planning (Page No. 83)
3. Details of Planning and Organization (Page No. 85)
4. Student's Record of Craft/Skill – Execution (Page No. 87)
5. Student's Record of Craft/Skill – Resourcefulness (Page No. 89)

Please refer to Pages 78 and 79 for detailed instructions on how to complete these sections.

It is highly recommended that students complete their craft/skill using waste materials.

On the submission date, students are required to submit tangible proof of the craft or skill performed.

The deadline for submission of the SUPW Record Book is 25th July 2025, to the respective class teacher.

Prepared by

Approved by