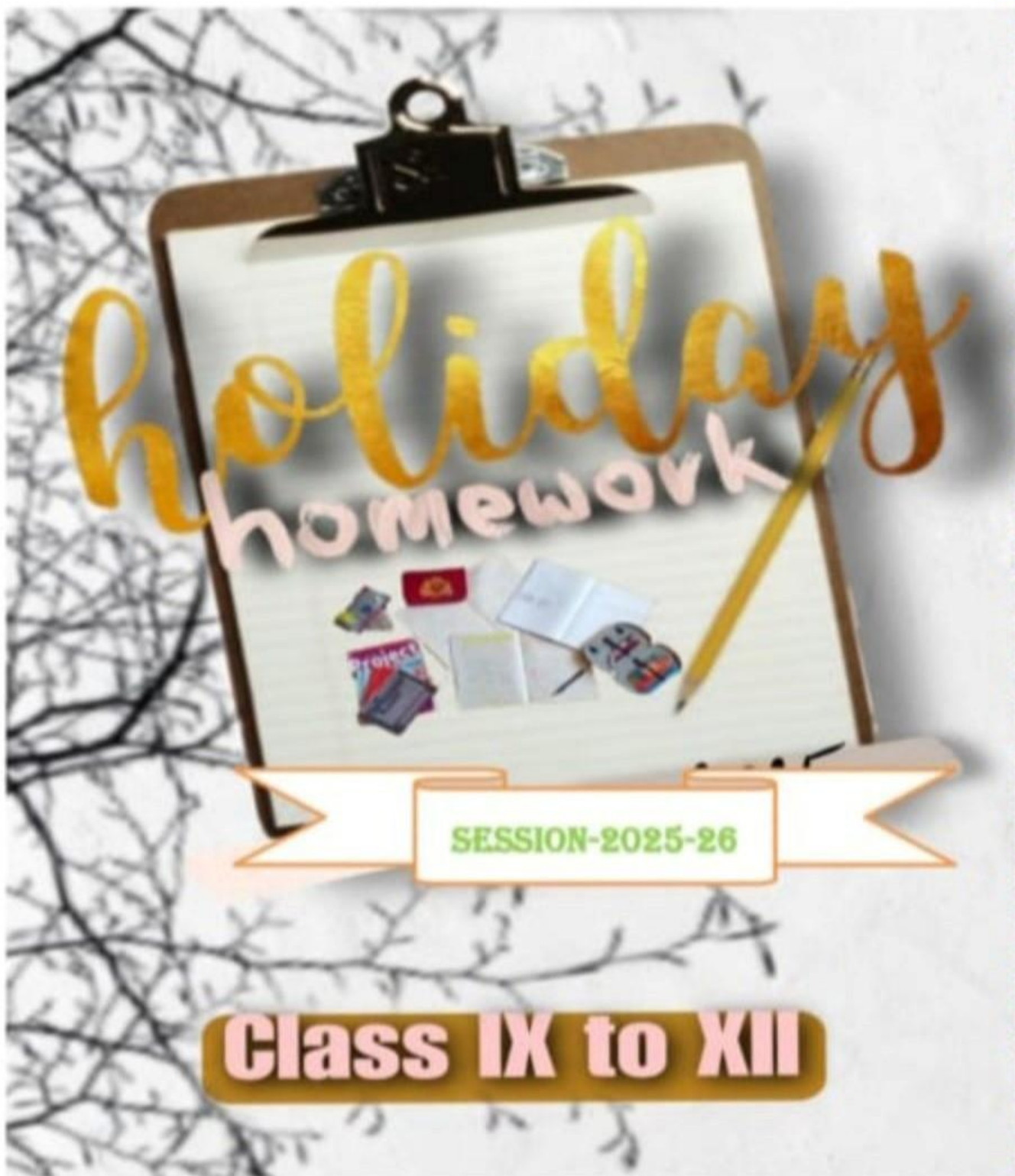




# Alpine International School



SESSION-2025-26

**Class IX to XII**



**Dear Parents and Students,**

**Season's Greetings!**

Welcome to a new school year(2025-26). I am thrilled to have our hallways buzzing with energy again. This new year promises for new opportunities for growth, learning and fun. Lets embrace the challenges, celebrate our achievements, and support each other in every step of the way. Together we will again make this year successful with many reasons to celebrate.

Special welcome to our new students and parents to be with us in this journey.

Summer vacation is around the corner, bringing with itself a much-needed respite from hectic school days. We hope that you will thoroughly enjoy the vacations and make the most of this summer. While it is indeed important that you fresh your selves, it is also important that you exercise your minds.

Keeping this in mind, we have designed various exciting activities to keep the students engaged and active during the summer vacation. These fun projects/assignments would enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving academic output.

These activities will not only help you to revise what was taught, but will also enrich your knowledge. These projects will be assessed as Subject Enrichment Activity, Portfolio or Art integrated activity.

We encourage parents to motivate and support the students to ensure the given work is completed in time, to the best of their ability. Your support and encouragement both have a huge impact on your child's learning ability.

The Holiday Home Work is to be done neatly with relevance to the questions asked and to be submitted to the subject teachers within a week of reopening of the school i.e. 1 July to 6 July 2025.

Homework submitted late will invite negative marking. It is important that deadlines are met.

Wishing you a fulfilled, safe summer vacation.

**MS.NIRMALAMALIK**

**PRINCIPAL**

**Note-School reopens on 1<sup>st</sup> July 2025.**

## SUBJECT-HINDI

1 नीचे दिये गये संकेत बिन्दुओं के माध्यम से निम्नलिखित विषयों में से किसी एक विषय पर परियोजना पुस्तिका (फाइल) तैयार कीजिए ।

1 कबीर दास

संकेत बिन्दु -

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\*बाल्यवस्था जीवन (शैक्षिक योग्यता) (ÑtHT)

\* विद्वानता

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\*बाल्यवस्था Gfraa  
\*विद्वानता

zàz-zra•r (Ñra•3T)

## SUBJECT - ENGLISH

1. Write the definition of different poetic devices used in poetry.
2. From the poem, "The Road Not Taken". What you have learnt from the poem as a student. Write about it.
3. Try to write a poem by yourself based on the inspiration, you got from the poet Sarojini Naidu.
4. From the book "Moments", read a story and write it's review, including character sketches and draw an alternative ending.
5. Write a diary entry on different experiences during your summer vacation (e.g. a trip, learning something new, helping at home, visiting a relative) in about 120 words.
6. From the grammar module, complete the Modals and Tense worksheets.

## SUBJECT - MATHS

- 1- Locate .12 and (3 on number line. Also locate      on number line.
- 2- On number line draw the location of your house      and 10 on your left side and 10 on your right side.
- 3- Project work- Early history of Mathematics ( students should give an outline of the major milestone in the mathematics from Euclid to Euler.)
- 4- Lab Manual work- Do activity 1 to 10 in your Mathematics lab manual.

## SUBJECT - SOCIAL SCIENCE

A Project tile of social Science

Comparison between Uttar Pradesh and Tamil Nadu state.

- \* Geographical area
- \* Political Administration \* Social culture & Customs
- \* Languages and Foods
- \* Wild Animals
- \* Rivers
- \* Historical places

Q.5 How is the high compressibility property of gas useful to us

Q.6 With the help of an example, explain how diffusion of gases in water is essential?

Q.7 On a hot sunny day, why do people sprinkle water on the roof or open ground?

Q.8 Why do people perspire a lot on a hot humid day?

Q.9 A balloon when kept in sun, bursts after some time. Why?

Q. 10 Pressure and temperature determine the state of a substance. Explain this in detail.

## SUBJECT -PHYSICS

Draw the following:

1. Distance time graph for uniform and non-uniform motion.
2. Velocity time graph for uniform velocity.
3. Velocity time graph for uniform acceleration.
4. Project work- Have you ever experienced that the train in which you are sitting appears to move while it is at rest? Share your

Lab manual work:- Do activity I and 2 of physics in your Science lab manual.

## SUBJECT- BIOLOGY

- 1- Complete Experiment- I(a) onion peel slide in lab manual.
- 2- Complete working model to given according to your topic.
- 3- Revise chapter- 1 The Fundamental unit of life (cell)

## SUBJECT - CHEMISTRY

Q. I Activity: Investigating Latent Heat Using Household Materials (2+2+1=5)

Objective: To understand how latent heat functions during the phase change from solid to liquid

Using common household items.

Materials Required: Ice cubes, metal and plastic small bowl, thermometer (or digital

Thermometer), stopwatch (or phone timer), stove or hot water, notebook for recording data.

Procedure:

1. Place 2—3 ice cubes in a small metal and plastic bowl.
2. Insert the thermometer so its tip is in contact with the ice.
3. Place the metal and plastic bowl in a pot of hot (not boiling) water.
4. Record the temperature every 30 seconds.
5. Note the temperature during the melting process.
6. Continue recording until all ice melts and temperature starts to rise.

Based on your observations, answer the following questions:

(A). If you increase the heat source under the ice, will it melt faster? Will the melting Temperature change? Explain.

(B) Why does the temperature stay the same even as you continue applying heat to the ice?

What does this tell you about energy transfer?

(C) You observe that ice in a metal bowl melts faster than in a plastic one. What could be the

Reason? What role does conductivity play in latent heat experiments?

Q.2 Tabulate the differences in the characteristics of states of matter.





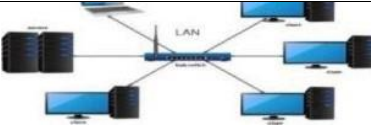


Q 3 What is evaporation? Define their factors. State their 5 uses in our daily life.

Q.4 Why do we see water droplets collected on the outer surface of a glass container, containing

Q.5 Explain why solids have fixed shape but liquids and gases do not have fixed shape.

Q.6 Why are solids generally denser than liquids and gases?

SUBJECT - COMPUTER

	<p>The collection of interconnected computers is called a computer network.</p> <p>Two computers are said to be interconnected, if they are capable of <b>sharing and exchanging information or</b></p>
	<p><b>Resource Sharing</b> means to make all programs, d and peripherals available to anyone on the network irrespective of the physical location of the resources</p> <p>data</p> <p>and</p> <p>the user.</p>
<ul style="list-style-type: none"> <li>• <b>Reliability</b> means to keep the copy Of a file on two or more different machines, so if is <b>unavailable</b> (due to Some hardware or any Other) them its Other copy Can used.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Cost factor</b> means it greatly reduces the cost since the resources Can be shared.</li> </ul>
<p>• <b>Communication Medium</b> means one can send messages and Whatever the Changes at one end are done immediately noticed at another.</p>	
<p>PAN ( Personal Network)</p> <p>Personal Area Network is a computer organized around an individual person. It generally covers a range Of than 10 meters. Personal Area Networks can be constructed with cables or wirelessly.</p> <ul style="list-style-type: none"> <li>• A Local Area Network (LAN)</li> </ul>	
<ul style="list-style-type: none"> <li>• It is a network that is confined to a <b>lab or office</b> building.</li> <li>• It is generally limited to a geographic area such as <b>lab or office</b> building.</li> <li>• It is generally privately owned networks over a distance</li> </ul>	
<p>• These are the networks spread over large distances. over across countries or even continents say through satellite uplinks are called WAN.</p> <ul style="list-style-type: none"> <li>• It can even a group Of LANs that are spread across several locations and connected</li> </ul>	
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### ASSESSMENT I.

Define networking?

2. Give any three advantages of networking.
3. Explain transmission media and its types.
4. Compare Wifi with WiMax
5. Explain the following terms :
6. Explain P2P Architecture and how it is different from Client Server architecture?
7. What do you mean by instant messages?
8. What is a style ? Name some style categories.
9. What is a character style? How is it different from paragraph style ?
10. What is cropping ? How is it useful ?  
What are templates ? What are the advantages of templates?
12. How will you set up the default templates in writer?
13. What is a table of contents? How is it useful?
14. What are the advantages and disadvantages of verbal communications?
15. What are the advantages and disadvantages Of written communications?
16. What is the purpose Of consolidating data in spreadsheet? Discuss briefly.
17. What is RDBVIS?
18. What is database server? Explain Primary key and foreign key.
19. List and explain two common safety hazards in a workplace.
20. What causes eye strain and how to avoid it?

Note:- Write answers only in computer Notebook.