

VIVEKANAND MODERN ACADEMY

Chandrika Devi Road, Kathwara, Bakshi Ka Talab, Lucknow (U. P.)



The much-awaited summer break has started and it is the time we associate with fun, frolic, late mornings and long hours of play. But, summer vacation is so much more than T.V. shows and ice cream rolls. It's time to play and have fun INDOORS. Time to spend with kith and kin. Here we present the "Summer Vacation Activity List" and we hope you will make your holidays more interesting by doing these activities

As it is rightly said, "A life without love is like a year without summer"

Happy Holidays

SUMMER TIPS :

- ☞ Dress your children in loose, light – coloured clothes.
- ☞ Take them for outdoor activities in the morning and evening hours.
- ☞ Take a walk in the nature with your family. Let the greenery relax your mind.
- ☞ Don't let the scorching heat stop you from having fun! Play various board games like Chess, Ludo, Scrabble etc.
- ☞ Keep your children hydrated. Make them drink lots of water.
- ☞ Help your children learn new things through exploring their interests.
- ☞ Books are children's best friend. Create your child's interest in different colourful books.
- ☞ Dedicate one hour to reading each day. Read a book about fairies, or monsters, your choice!
- ☞ Motivate your children to speak golden words.
- ☞ Set timers for screen time. Let's have "no mobile phone day" once a week!
- ☞ Have a bed-time story session with your kids.
- ☞ Try to converse with your parents and friends in English. Listen to songs in English.

Dear Students,

- ☞ Summer Vacation is the best and the most fruitful time for learning and nurturing creativity. Keeping this objective in mind we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity.
- ☞ "Knowledge is Power". Therefore read lots and lots of books to cultivate the reading habit and develop your vocabulary, language skills, increase your attention span and improve your spellings.
- ☞ "A healthy mind lives in a healthy body". So play the sport of your choice INDOORS. It will help to instill discipline, generate sporting spirits and channelize your energies constructively.
- ☞ Get up early in the morning and see the rising sun. Do indoor exercises / yoga and stay healthy and fit. Spend quality time with your elders and share your thoughts and ideas with them.
- ☞ Eat healthy food and drink lots of water during summer.
- ☞ Integrating curriculum helps students deepen their understanding of the subject matter and comprehend relationship between different areas of study. This year's holiday homework has been designed keeping this interdisciplinary aspect in mind.
- ☞ Inculcate good manners- 4 magic words 'Please, Thank You, Excuse Me, Sorry'-use them and see the difference

Principal

HOLIDAYS FUN TIME

Dear Parents,

MORNING BLESSINGS : *Help your children to inculcate good habits by doing Surya Namaskar and encourage them to greet all elders in the morning. Learn two simple Yogasanas*

BEING RESPONSIBLE : *Spend a week with your elders. Observe their routine. Listen to their childhood memories, incidents from the past and watch their old family albums. This will strengthen the bond between you and your elders. Don't forget to capture them in the form of short videos.*

ENGAGE IN HOBBIES : *Explore Interests: Spend time on activities you enjoy, such as sports, music or art.*

ADOPT A TREE : *Encourage your child to adopt a tree in the park around you and make sure that you take care of it daily by watering it. Also, click a picture with it and share it with your class teacher.*

STAY ACTIVE : *Engage in regular exercise, whether through sports, walking, cycling, or home workouts.*

OUTDOOR ACTIVITIES : *Spend time outdoors, enjoying nature through hiking, swimming, or camping.*

HELPING OTHERS : *Do a good deed at least once a week, fostering a sense of community.*

TRAVEL AND EXPLORE : *Visit local museums, parks, or historical sites.*

TRIPS : *Plan trips, whether it's a family vacation or day trips to nearby attractions.*

REST AND RELAX :

DOWNTIME : *Ensure you have time to relax and unwind.*

SLEEP : *Maintain a healthy sleep schedule.*

STAY SAFE : *Follow health guidelines, stay hydrated.*

Help your ward to memorize your home address and contact numbers.

HOLIDAY HOME WORK

Session : 2025 – 26

Class : **IX**, Section :

Student's Name :

English

Note – Do all written work in holiday Homework register.

1. Do translation daily using all kinds of tenses.
2. Read Chapter – 5 and 6 from Beehive and Chapter 3 and 4 from Moments and write the meanings of difficult words in the book.
3. Make a collage of well-known poets and authors of 21st century

हिन्दी

पुनरावृत्ति

प्रश्न 1- दिए गए शब्दों के तीन तीन पर्यायवाची लिखिए।

अमृत, आकाश, कमल, ईश्वर, सूर्य, पृथ्वी, चंद्रमा, पहाड़, पानी, बादल, वायु, समुद्र।

प्रश्न 2- विलोम शब्द (विपरीतार्थक शब्द) लिखिए।

आकाश, उपकार, आदर, आदि, आस्तिक, उपयोगी, उपस्थित उत्तीर्ण औपचारिक कठोर कनिष्ठ कृष्ण जीवन, जड़, जनक, ठोस, धर्म, पराधीन, प्रातः, प्रकाश, पराजय, बाढ़, मित्र, विशेष, सज्जन, श्याम, साक्षर, सफल, पवित्र, अल्पायु।

प्रश्न 3- मुहावरों के अर्थ लिखकर अपने वाक्यों में प्रयोग कीजिए-

अंधे की लाठी, आग बबूला होना, आस्तीन का सांप, ईट का जवाब पत्थर से देना, ईद का चांद होना, कमर कसना, पेट में चूहे दौड़ना, सिर पर कफन बांधना।

पाठ्यपुस्तक

प्रश्न 4- कांजीहौस में पशुओं के साथ कैसा व्यवहार किया जाता था?

प्रश्न 5- दड़ियल ने बैलों की नीलामी में बोली क्यों लगाई थी?

प्रश्न 6- सुमति का चरित्र चित्रण लिखिए (50 से 60 शब्दों में)।

व्याकरण

प्रश्न 7- अनुप्रास, यमक, श्लेष अलंकारों के दो-दो उदाहरण लिखिए।

प्रश्न 8- वाक्य भेद (अर्थ के आधार पर) सभी आठों भेदों के दो-दो उदाहरण लिखिए।

परियोजना कार्य

- क्षितिज (गद्य एवं पद्य) पाठ्य पुस्तक के बताए गए कार्य को पूर्ण कीजिए।

- कृतिका पूरक पुस्तक के बताए गए कार्य को पूर्ण कीजिए।
- व्याकरण के बताए गए कार्य को पूर्ण कीजिए।
- लेखन के बताए गए कार्य को पूर्ण कीजिए।

Science

Physics

1. Differentiate between distance and displacement with the help of diagram?
 2. Define speed and velocity. What is their SI unit?
 3. Under what condition(s) is the magnitude of average velocity of an object equal to its average speed?
 4. What is uniform motion?
 5. Define acceleration and mention its SI unit. When will you say that the body is in uniform acceleration?
 6. Make distance-time, velocity-time and acceleration-time graphs for a body moving with uniform velocity.
 7. Write the three equations of motion.
 8. Abdul, while driving to school, computes the average speed for his trip to be 20 kmh^{-1} . On his return trip along the same route, there is less traffic and the average speed is 30 kmh^{-1} . What is the average speed for Abdul's trip?
 9. A ball is gently dropped from a height of 20 m. If its velocity increases uniformly at the rate of 10 ms^{-1} , with what velocity will it strike the ground? After what time will it strike the ground?
 10. An artificial satellite is moving in a circular orbit of radius 42250 km. Calculate its speed if it takes 24 hours to revolve around the earth.
 11. Complete the physics section of the pre-periodic question paper in fair copy.
- If your copy is not checked, please complete your work and submit your class-work copy on the first day of school.

Chemistry

1. Select any one title for project work and write the content for it
 - (a) Write down with diagram the Rutherford Atomic Model
 - (b) Write down about Bohr's atomic model.
 - (c) Write down in your project file about J.J Thomson atomic model.

BIOLOGY

Chapter 1: The Fundamental Unit of Life

2. **Objective:** Understand the structure and function of cells, their organelles, and differences between plant and animal cells.

Part A: Theory Work (Notebook)

1. Define the following terms:
 - Cell
 - Organelle

- Prokaryotic cell
- Eukaryotic cell
- Plasma membrane

2. Short answer questions:

- Why is the cell called the structural and functional unit of life?
- Write three differences between plant and animal cells.
- What is osmosis? Give one example.
- Describe the function of the nucleus in a cell.

3. Draw and label:

- A plant cell
- An animal cell

Part B: Project Work (Chart or A4 Sheet)

3. Choose any one:

- Make a **model of a cell** (plant or animal) using clay, cardboard, or household materials. Label all organelles.
- Prepare a **comparative chart** of plant and animal cells showing at least 5 differences with diagrams.

SOCIAL STUDIES

1. In History read the Chapter- The French Revolution find the meaning of difficult words and answer the following questions in your fair copies
2. Which incident sparked the French Revolution?
3. Why was Bastille prison attacked?
4. What did the French Revolution of 1789 stand for?
5. Which ruler came to power in French in 1774?
6. How did the American War of Independence add more debt to France?
7. Who owned the majority of land in 18th century France?
8. What was the most important privilege enjoyed by the first two estates?
9. Name the Philosophers who put forward the ideas of freedom, equal laws and opportunities
10. Who wrote The Spirit of the Laws?
11. What was the representation of the three estates at the Estate General Assembly of 1789?
12. Which proposal of the third estate was refused by King Louis XVI?
13. What was the objective of the National Assembly's draft completed in 1791?
14. Describe the events that took place on 14th July 1789 in France.
15. On ascending the throne of France, Louis XVI found the treasury empty. Why was the treasury empty?
16. Describe the divisions of the French society before the French Revolution.
17. How did peasants protest against the feudal lords or nobles of France?
18. Describe how the new political system of constitutional monarchy worked practice in France.
19. List and explain the successful achievements of the National Assembly from 1789-1791.
20. Discuss the main causes of the French Revolution.
21. Explain the "Reign to Terror" in brief.

Note : In Economics read the Chapter- The Story of Village Palampur and answer the following questions in you fair copies

1. What is the main economic activity In the village of Palampur?
2. What are the non- farming activities being carried out in Palampur?
3. What are the factors of production?
4. What are the major advantage of using HYV seeds in agriculture
5. What are the disadvantage of using chemical fertilizers in modern farming methods?
6. What percentage of total land area is cultivated by medium and large farmers in India?
7. Name the states which were the first to try out the modern farming methods in India?
8. What comprise modern farming methods?
9. What is meant by Green Revolution? What are its features?
10. How was multiple cropping practiced in Palampur? Explain.

Information Technology

1. Read the Chapter- Introduction to IT and ITeS Industry and answer the following questions in your fair copies

Answer the following questions

2. What is IT?
3. What is ITeS?
4. How are IT and ITeS interrelated?
5. What is a BPO?
6. What is BPM?
7. How are BPO and BPM interrelated?
8. List some BPO service
9. List some BPM services
10. What is a Call Centre?
11. What are the categories of BPO vendors?
12. What are the categories of BPM companies?
13. List some applications of IT.
14. What is a digi locker?
15. What is Chatbot?
16. Explain how IT can be used in the following fields
(a) Banking (b) Marketing (c) Healthcare (d) Education (e) Entertainment (f) Government and Public Sector.

Mathematics

Unit 1: Number Systems

1. Define rational and irrational numbers with two examples of each.
2. Show that $\sqrt{2}$, $\sqrt{3}$, and $\sqrt{5}$ are irrational numbers using the method of contradiction.
3. Write three numbers between 0.1 and 0.2 that are rational.
4. Express the following recurring decimal as a rational number:
(a) 0.333...

- (b) 0.142857142857...
5. Simplify and write in decimal form:
 - (a) $\frac{7}{8}$
 - (b) $\frac{5}{6}$
 6. Evaluate:
 - (a) $(8)^{\left(-\frac{1}{3}\right)}$
 - (b) $(27)^{\frac{1}{3}} + (16)^{\frac{1}{2}}$
 - (c) $(32)^{\frac{3}{5}}$
 7. Classify the following numbers as rational or irrational:
 - (a) $\sqrt{49}$
 - (b) $\sqrt{2} + 3$
 - (c) 0.1010010001...
 8. Express 0.6(1) as a rational number in the form $\frac{p}{q}$.
 9. Prove that $(3 + 2\sqrt{5})$ is irrational.
 10. Plot $\sqrt{2}$ and $\sqrt{3}$ on a number line.
 11. Create a chart showing the classification of number systems.
 12. Write 5 examples each of terminating and non-terminating decimals.

Unit 6: Lines and Angles

1. Define the following with diagrams:
 - (a) Intersecting lines
 - (b) Parallel lines
 - (c) Transversal
2. State and explain the types of angles formed when a transversal cuts two lines.
3. Identify the following angle pairs from the given figure:
 - (a) Corresponding angles
 - (b) Alternate interior angles
 - (c) Co-interior angles
4. If two lines are cut by a transversal and a pair of alternate interior angles are equal, prove that the lines are parallel.
5. Prove that the sum of the angles on a straight line is 180° .
6. Prove that the vertically opposite angles are equal.
7. In the figure, two lines AB and CD intersect at point O. If $\angle AOC = 40^\circ$, find the measure of the other three angles.
8. In the given figure, $PQ \parallel RS$ and a transversal cuts them at A and B. If $\angle PAB = 70^\circ$, find $\angle ABR$, $\angle ABQ$, and $\angle RBA$.
9. Two parallel lines are cut by a transversal. One of the angles is 110° . Find all the other angles.
10. Prove that if two lines are parallel and a transversal cuts them, then alternate interior angles are equal using logical reasoning.
11. Construct a figure where:- Two lines are intersecting.- A transversal creates co-interior angles of 75° and 105° . Show all work.
12. Create a real-life situation or diagram where lines and angles are formed (e.g., road intersections, window frames).

Learn & Write Tables from 2 To 30.

Art Integrated Multi Disciplinary Project

Theme: "Sustainable Living and Indigenous Knowledge of Arunachal Pradesh"

Subjects and Activities:

1. English

- **Topic :** Prepare a travel brochure for "Eco-Tourism in Arunachal Pradesh: A Gateway to Sustainable Living".
- **Skills:** Descriptive writing, formatting, creative content.
- **Art Integration:** Use illustrations of local flora/fauna, cultural symbols, and tribal art forms like Apatani or Monpa motifs.

2. Hindi

- **Topic :** "अरुणाचल प्रदेश की सांस्कृतिक विविधता और पारंपरिक ज्ञान" (Cultural Diversity and Indigenous Knowledge of Arunachal Pradesh).
- **Activity :** पारंपरिक पोशाकों, संगीत वाद्ययंत्रों और लोसार, सोलुंग जैसे त्योहारों के चित्रण के साथ एक निबंध या कविता लिखें।
- **Art Integration:** आदिवासी कढ़ाई पैटर्न से प्रेरित बॉर्डर (सीमा) डिजाइन शामिल करें।

3. Mathematics

- **Topic:** Analyze rainfall patterns in Arunachal Pradesh and represent them using bar graphs and pie charts.
- **Activity:** Compare annual rainfall in major districts.
- **Art Integration:** Decorate charts using tribal border patterns or geometric tribal art.

4. Science

- **Topic:** Study traditional healing herbs and medicinal plants used in Arunachal Pradesh.
- **Activity:** Make a herbarium/chart showing local plants and their medicinal uses.
- **Art Integration:** Use natural materials, leaf prints, or draw stylized forest backgrounds.

5. Social Science

- **Geography :** Map of Arunachal Pradesh with major rivers, mountains, and vegetation zones.
- **History/Civics:** Explore tribal governance systems and historical roots.
- **Economics:** Sustainable livelihoods through bamboo craft, weaving, and agriculture.
- **Art Integration :** Create a 3D map / model or collage of traditional village life using recycled materials.

6. Information Technology :

- **Topic :** Make a digital presentation or infographic on "Smart Sustainable Villages in Arunachal Pradesh".
- **Tools :** Canva, PowerPoint, or Google Slides.
- **Art Integration:** Include traditional designs, nature motifs, tribal face paint designs.

Format for Final Project File

- **Cover Page:** Title, Student Details, School Name, Class, Theme

- Index Page
- Subject-wise Sections: Clearly separated with headings and creative layouts
- Creative Presentation: Use charts, drawings, models, digital prints
- Conclusion: Reflection on what was learned through the project
- Bibliography: Sources of information (books, websites, interviews)

Dear Children

- ☞ **The homework has to be done separately subject wise in note books, beautifully.**
- ☞ **Enjoy the activities given. Do not rush to complete in one go.**

Some Every Day Tasks:

- *Clean your room and keep it neat and tidy.*
- *Help mom in the kitchen.*
- *Lay the table*
- *Walk, jog, exercise and keep fit.*
- *Be creative do some drawing and painting.*

