



MORNING STAR SCHOOL
ACADEMIC SESSION 2025-26
SUMMER HOLIDAY HOMEWORK
Class-XII SCIENCE

Dear Students,

Summer vacation is a timeful of full fun. But dear Children, there is a lot more to do to make your vacation more interesting and meaningful. We have planned some interesting activities.



LIFE SKILL ACTIVITIES

VACATIONS NOT ONLY GIVE YOU A CHANCE TO RELAX AND BOND WITH YOUR KIDS, BUT THEY ALSO PROVIDE AN OPPORTUNITY FOR YOUR CHILDREN TO LEARN VALUABLE LIFE SKILLS AND LESSONS THAT WILL SERVE THEM WELL FOR YEARS TO COME.

HERE ARE FEW SUGGESTED ACTIVITIES WHICH MAY BE ALREADY IN PRACTICE WITH MANY, HOWEVER WE COULD USE THIS TIME TO RE-EMPHASIZE THE VALUES AND SKILLS OF GREATER SIGNIFICANCE IN LIFE.

WEEK-1

BETTER SOCIAL BEHAVIOUR

Right from wishing a pleasant morning, to sharing day to day stories, childhood stories can help them connect with you better.

WEEK-2

BAKE A SWEET TREAT TO ENJOY

Baking requires students to pay attention to detail, work methodically and employ lots of patience in waiting for their baked goodies etc.

WEEK-3

PRACTICE GARDENING

Gardening is a great life skill to nature from a young age. Gardening allows learners to become more responsible in caring for their plants, Gardening also exposes learners to a better Understanding of the natural world and all of its elements.

WEEK-4

VISIT A MUSEUM

Holiday time is a great time to visit a museum. Many museums offer unique exhibits and activities geared towards kids during the holidays. This is an excellent way for kids to learn about different cultures and traditions.

Dear Parents,

'Always speak in English with your family members and friends.'

Different types of languages are spoken by people from different regions, but the most important thing is that any language when spoken should be spoken correctly.

The two common languages that our children should be able to speak fluently are Hindi and English. Since English is a universal language spoken and understood by people all over the world, we want our children also to be proficient in speaking it and for this we need full support and cooperation. We would appreciate if you adhere

to the following points:

1. Speak with your child in English. Encourage reading habits.
2. Read out story-books and after finishing the story discuss it with your child.
3. Encourage Word Building and Picture Talk.

ENGLISH

Project Title

Women Then and Now: Tracing the Journey through Media and Literature With reference to 'Aunt Jennifer's Tigers' and 'Going Places'

☐ **Guiding Question**

How has the image of women evolved in media over time, and how is this reflected in the characters of Aunt Jennifer and Sophie?

☐ **Instructions**

The project should combine research, creativity, and analysis. Use real-life media examples and compare them with the portrayal of women in your literature texts.

☐ **Index**

1. Cover page
2. Introduction: Define the topic and highlight how portrayals of women have changed.
3. Research Methodology: Mention sources like films, ads, social media, articles, and your textbook.
- 4 Content / Analysis:
 - ☐ Compare Aunt Jennifer and Sophie's characters
 - ☐ Contrast old and new media portrayals
 - ☐ Add visuals (ads, stills, memes, collages)
 - ☐ (Optional) Include a creative piece like a diary entry or poem
- 5) Personal Opinion:
 - ☐ Share your views on the current portrayal of women in media and literature.
- 6) Conclusion:
 - ☐ Summarize key insights and the importance of fair representation.
- 7) Bibliography:
 - ☐ List your sources.

HINDI

1. हिंदी साहित्य में ऋतुओं का सचित्र वर्णन कीजिए।
2. प्रेमचंद की रचनाओं का सचित्र वर्णन कीजिए।
3. समाचार व पत्रकारिता में अंतर बताइये तथा समाचार की एक रिपोर्ट तैयार कीजिए।
(किसी एक विषय पर परियोजना कार्य करना है।)

MATHEMATICS

1. Class notes of Chapter Matrices
2. Two Activities based on Chapter matrices & Determiners

SCIENCE

PHYSICS

1. Draw Electric field due to positive and negative charges notebook .
2. Draw the Electric field pattern due to dipole at axis and equator . (THREE_TIMES)
3. Find magnitude of electric field of dipole at
 - I) Axis of dipole.
 - II) Equator of dipole.
 - III) At any point.
4. Draw the Electric flux pattern due to infinite rod and Plane sheet. (THREE_TIMES)
5. Do NCERT Exercise Chapter 1 Electrostatics

CHEMISTRY

Writing :

Complete the notes of the

Chapter 1 Solutions

Chapter 2 Electrochemistry

I) Mind_Map

II) Important keywords

III) Diagram / Chart

IV) NCERT_Examples

V) Enlist five real life activities based on Solutions , Electrochemistry

Learning : Revise the topics

1) Conc. Of solutions

2)molarity molality Mole fractions

3) mass % PPM

4) Colligative properties

5) Vant hoff factor

6) Types of Solutions

7) Azeotropic mixture

BIOLOGY

Writing : Complete the notes of chapter 1 (Sexual Reproduction In Flowering Plants) and Chapter 2 (Human Reproduction) .

Complete the given worksheet in your fair notebook.

Learning : Do practice of diagrams of chapter 1 and chapter 2.

Practicals : Write experiment 1 (To prepare the temporary mount of pollen grains) and experiment 2 (To prepare the temporary mount of onion root tip) in your practical file.

COMPUTER

- Write 20 Python program based on revision of class 11 python
- Make a presentation on cyber security
- Make presentation on cyber ethics

PHYSICAL EDUCATION

- Explain the. Procedure of giving bye in fixture.
- Draw a league fixture for 16 teams
- Draw a knockout come league fixture of 16 teams.

ACTIVITY RECOMMENDED DURING VACATION

- ➡ Meditate and do simple yoga exercises .
- ➡ Water plants and feed the birds.
- ➡ Join your grandparents and parents for their morning walk.
- ➡ Help your mother in the kitchen .
- ➡ Don't watch too much of television .
- ➡ keep your environment in surrounding clean .
- ➡ Plant trees and conserve your natural resources.
- ➡ Build and improve your vocabulary through crosswords, jumble words etc.
- ➡ Solve riddles and puzzles.
- ➡ Read story books and visit places.
- ➡ Improve your reading and writing skills by reading and writing.

Note:

- **Summer breaks are from 1ST May to 25th June 2025.**
- **The school reopens on 26th June 2025**

Have a great Summer Vacation!