



AIR FORCE SCHOOL KANPUR CANTT.



ACADEMIC SESSION-
2026-27

ENJOY YOUR SUMMER VACATION



▶ ITS SUMMER TIME: TIME FOR STRENGTHENING FAMILY BOND, TYING THREADS OF FAMILY TREE, SHARING JOYS AND SORROWS, HAVE A GOOD TIME TOGETHER.



▶ TAKE GOOD CARE OF YOUR HEALTH AND HYGIENE.



▶ USE HOLIDAY HOMEWORK AS AN OPPORTUNITY TO SPEND QUALITY TIME TOGETHER.



▶ LET THE CHILD TAKE THE LEAD AND USE THEIR IMAGINATION, CREATIVITY AND KNOWLEDGE TO DO THE ASSIGNED TASK. THE ROLE OF THE PARENT IS TO BE THE FACILITATOR AND GUIDE TO STEER THE CHILD TOWARDS THE RIGHT PATH.



▶ DO YOGA PRACTICE DAILY.



WE WISH YOU LOADS OF
HAPPINESS, JOY, FUN
AND GOOD HEALTH WHILE
YOU ARE ON VACATIONS.



AIR FORCE SCHOOL KANPUR CANTT

SUMMER HOLIDAYS HOMEWORK

CLASS -VIII A

HINDI

1. पढ़ाए गए सभी पाठों को पढ़ें तथा उनका अभ्यास करें।
2. 'दो गौरैया' पाठ में आए किन्हीं 10 संज्ञा शब्दों को लिखकर उनका वाक्य में प्रयोग कीजिए।
3. अपने मित्र को ग्रीष्मावकाश साथ बिताने हेतु निमंत्रण देते हुए एक पत्र लिखिए।
4. अनुक्रमांक 1 से 8 तक 'स्वदेश' कविता सचित्र चार्ट पेपर पर लिखें।
5. अनुक्रमांक 9 से 16 तक 'एक आशीर्वाद' कविता सचित्र चार्ट पेपर पर लिखें।
6. अनुक्रमांक 17 से 25 तक स्वर तथा व्यंजन के वर्गीकरण का एक फ्लोचार्ट, चार्ट पेपर पर बनाएं।
7. प्रतिदिन एक पेज इमला तथा सुलेख लिखें।
8. 1 से 20 तक पर्यायवाची शब्द
9. 1 से 20 तक विलोम शब्द
10. 1 से 15 वाक्यांशों के लिए एक शब्द
11. 1 से 15 अनेकार्थी शब्द व्याकरण की उत्तर पुस्तिका में लिखें तथा याद करें।

MATHEMATICS

Chapter 1: A Square and a Cube

1. What is the square of 13?
2. Is 222 a perfect square? (Give a reason based on the unit digit).
3. What is the smallest number by which 50 must be multiplied to make it a perfect square?
4. Find the square root of 64 using the repeated subtraction method.
5. How many non-square numbers lie between 12^2 and 13^2 ?
6. What is the cube of 0.2?

7. Identify the unit digit of the cube of 789.
8. Is 216 a perfect cube?
9. What is the square root of 1.44?
10. Find the smallest number by which 81 must be divided to make it a perfect cube.
11. What is the value of cube root of 125?
12. Express 49 as the sum of the first 7 odd numbers.
13. What is the cube of a negative number (positive or negative)?
14. Find the Pythagorean triplet whose smallest member is 6.
15. What is the square root of 0.09?
16. How many natural numbers are there between n^2 and $(n+1)^2$?
17. What is the digit at the unit place of the square of 1234?
18. Find the cube root of 1000.
19. What is the square of $\frac{2}{5}$?
20. Can a perfect square end with the digit 8?

Chapter 2: Power Play

1. Find the value of 2^{-3}
2. Simplify: $5^2 \times 5^4$.
3. What is the value of $(100)^0$?
4. Express 0.00007 in standard form.
5. Simplify and write in exponential form: $3^7 \div 3^2$.
6. What is the multiplicative inverse of 10^{-5} ?
7. Express 3.61×10^4 in usual form.
8. Evaluate: $(-2)^4$.
9. Simplify: $(2^3)^2$.
10. What is the value of $(\frac{1}{2})^{-2}$?
11. Express 128 as a power of 2.

12. Simplify: $p^3 \times p$

-5

13. Find x if 2

x = 16

14. Evaluate: $10^{-1} + 10^0$.

15. Write 0.0000021 in scientific notation.

16. Simplify: $(ab)^2 \times a$

-1b

-1

17. What is the value of $(-1)^{50}$?

18. Express $1/625$ as a power with base 5.

19. Find the value of $(2^0 + 3^0 + 4^0)$.

20. Simplify: $10^8/10^{-2}$

ENGLISH

1. Project: Comic Script

- Make a comic with colourful pictures with dialogues.
- Make cover and back page and decorate it.
- Colourful A4 Sheets are to be used.

2. Activity: Read any two English Story Books and make attractive and Review. (Use colourful A4 Sheets)

informative Book

3. Writing: Write two examples of Letter to the Editor. (Grammar notebook)

4. Write two examples of Notice. (Grammar notebook)

5. Reading: Write two examples of Comprehension, paste the passages in write answers. (Grammar notebook)

notebook, and then

SUBJECT – SOCIAL SCIENCE

1. Write on A4 sheet :- a) Fundamental Rights

b) Fundamental Duties

c) Preamble

2. Prepare a file on Indian brave rulers. (Like:- Chandra Gupta Maurya, MaharanaPartap,

Ashoka the great, Krishna Dev Rai, Prathavi Raj Chauhan etc.) **Note:-No Mughal rulers.**

3. Read all the chapters.
4. Learn all the questions and answers.
5. Write one page writing to improve your handwriting.
6. Learn the entire glossary.
7. Prepare a file on map skill :- a) Locate continents on world political map
b) Locate oceans on world political map
c) Locate States on Indian political map
d) Locate neighboring countries on Indian political map
e) Locate union territories on political map of India

Note: - (use separate maps to locate all these)

विषय - संस्कृतम्

- १- कोईचित्रबनाकरपांचवाक्यसंस्कृतमेंलिखिए ।
- २- पितृतथाभानुशब्दोंकेपुल्लिंगशब्दरूपलिखिए ।
- ३- ल्यप्औरक्त्वाप्रत्ययकाप्रयोगकरकेदस - दसउदाहरणलिखिए ।
- ४- 'प्रच्छ' धातुकेपांचोलकारमेंरूपलिखिए ।

SUBJECT – SCIENCE

1. Prepare an electromagnet using wire nail and electric cell and check the deflection using magnetic compass
2. Prepare an electric circuit using nichrome wire to demonstrate heating effect in a wire

Holiday Homework

Class VIII Computer Project Work

Instructions for Students

- Write the project neatly in a practical file.
 - Use colored headings and diagrams.
 - Paste relevant pictures.
-

Student Details

- Name: _____
 - Class & Section: _____
 - Roll Number: _____
 - School: _____
 - Session: 2026–27
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Project 1: Cyber Safety and Security

Objective

To understand safe and responsible use of the internet and digital devices.

Introduction

Cyber safety means protecting ourselves and our information while using the internet. Today, students use computers, mobile phones, and the internet for studies, games, communication, and entertainment. Therefore, it is important to know how to stay safe online.

Topics to Include

1. What is Cyber Safety?

Cyber safety refers to safe and responsible use of technology and the internet.

2. Importance of Strong Passwords

- Use a mix of letters, numbers, and symbols.
- Do not share passwords with strangers.
- Change passwords regularly.

3. Safe Use of Social Media

- Keep accounts private.
- Do not share personal information.
- Be respectful online.

4. Cyberbullying

Cyberbullying means hurting or troubling someone using digital devices or social media.

5. Online Frauds and Scams

Some fake websites and emails try to steal information. Never click unknown links.

6. Tips for Safe Internet Browsing

- Visit trusted websites only.

- Avoid downloading unknown files.
- Use antivirus software.
- Inform parents or teachers about suspicious activity.

Conclusion

Cyber safety is very important in today's digital world. We should use the internet wisely and responsibly.

Activity

Create a colorful poster on the topic: **“Stay Safe Online”**

You may add:

- Safety slogans
 - Drawings
 - Cyber safety tips
-

Project 2: Artificial Intelligence (AI)

Objective

To understand the basics and uses of Artificial Intelligence.

Introduction

Artificial Intelligence is a technology that enables machines to think and work like humans.

Applications of AI

- Voice assistants
- Self-driving cars
- Online shopping recommendations
- Smart robots
- Healthcare systems

Advantages of AI

- Saves time
- Reduces human effort
- Improves accuracy

Disadvantages of AI

- Expensive technology
- May reduce jobs
- Requires electricity and internet

Conclusion

AI is transforming the world and making life easier in many ways.

Activity

Create a colorful poster on the topic: **“Use of AI in everyday Life”**

You may add:

- Pictures