

**Dr VIRENDRA SWARUP EDUCATION CENTRE UNNAO**  
**SUMMER HOLIDAY HOMEWORK**

**Class – 9**

**Instructions:**

1. All holiday homework to be done in the respective subjects note books.
2. Do your homework neatly and on your own.
3. Learn and revise all the work done in the class.
4. All the questions to be done in the same order as given.
5. Attempting all the questions of holiday homework is mandatory.
6. Child will be assessed for neat and presentable work.
7. Homework will be submitted as and when school reopens.
8. Take interest in all the homework given and complete it with enthusiasm.



English holiday homework

. Letter to the Editor

Topic: "Rising Pollution Levels in Our City"

Points to include:

Introduction to the issue

Effects of pollution on health and environment

Role of citizens and authorities

Suggestions to control pollution

Request for urgent action

## **2. Paragraph Writing**

Topic: "Importance of Discipline in Student Life"

Points to include:

Meaning of discipline

Its role in studies and personality

Examples from daily life

Benefits in long-term success

## **3. Project Work**

English: Make a scrapbook on your favourite author or book, with pictures, summary, and your review.



### **ग्रीष्मकालीन अवकाश कार्य कक्षा -9**

- १- निर्गुण भक्ति शाखा के कवियों का वर्णन करते हुए संत कबीरदास, गुरु नानकदेव और संत रविदास (रैदास) के काव्य ग्रंथों से 10-10 पदों का अर्थ सहित वर्णन करते हुए परियोजना का निर्माण करें ।
  - २- मुंशी प्रेमचंद द्वारा रचित कहानियों में से किसी एक कहानी का अपने शब्दों में वर्णन कीजिए, जो आपके पाठ्यक्रम में ना हो।
- नोट: समस्त कार्य की फाइल तैयार करें।



Things to be kept in mind while doing the project

#### TOPIC

Disaster Management [Topics like Earthquake, tsunami, Covid 19, Cyclone can be taken]

#### PROJECT FILE

- USE A-4 size file paper (One side ruled)
- Project must be handwritten. (Use blue or black ink)
- Cover page must be designed by the student which should reflect the topic.
- Topic of the project, Name, Class/Section and roll no. must be written on the cover page in bold letters.
- Use bottom space for your Name, Class/Section and Roll number.
- Utilize summer vacation to complete your project.
- Do not use plastic covers.

#### SEQUENCE OF PAGES

- # Will Be Your Cover Page with Topic.
  - # Acknowledgement (What should be written).
  - # Index (Name of the chapter in sequence given along with page numbers.)
  - # Short description about the topic by using newspaper or internet.
  - # Mention the causes and symptoms of the disaster.
  - # Extent of damage.
  - # Steps taken by government to combat this disaster.
  - # Contribution of people who are involved in combating this disaster.
  - # What lessons have you learned from this disaster?
  - # Do's and don'ts for next time to avoid such disaster.
  - # Bibliography
- [Last page should be kept for teacher's remark, use images, drawings, Pictures, newspaper.



Computer

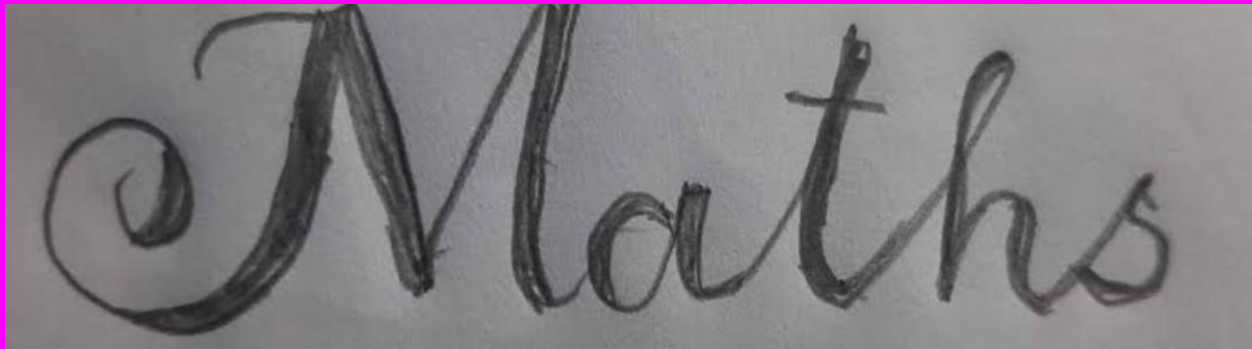
Computer Holiday Homework

Make a project file on the topic Writer .

Topic- Newspaper of Arunachal Pradesh (6-7 pages)

### Artificial Intelligence

- 1- What is A. I. and what is not A. I. surrounding you? Give one example of each.
- 2- How intelligent robots are helping us in accomplishing dangerous jobs?
- 3- How AI helps in giving you personalized experience online?
- 4- Explain how AI works in the following areas: a. Google Search Engine b. Voice Assistants c. E-commerce websites
- 5- Given two examples of each A. I. domain with images.



### **Mathematics**

Solve Exercise 2.4 from NCERT



### **Science**

**Physics project:**

**Write a project report on any one of the topics mentioned below:**

1. investigating Newton's laws of motion through practical demonstration
2. Investigating the effect of different materials on sound absorption
3. Force
4. Gravitation

The project needs to include the following headings and sub-headings:

- A) Index
- B) Certificate
- C) Acknowledgement
- D) Introduction
- E) Matter ( body of project)
- F) Facts, Conclusions etc.
- G) Results and Impact
- H) Bibliography

Page limit: 20 ( excluding, Index, Certificate, Acknowledgement and Bibliography)

**Chemistry project:**

Write a project report on any one of the topics mentioned below:

1. Project on classification of matter, with characteristics including diffusion, brownian motion, rigidity, fluidity in detail with activities and diagrams
2. Project on classification of mixtures as solution, suspension and colloids, explain in detail with activities and diagrams
3. Project on evaporation with factors affecting it, also differentiate between metals and non-metals with required examples, sample pics and activities with diagram

The project needs to include the following headings and sub-headings:

- A) Index
- B) Certificate
- C) Acknowledgement
- D) Introduction
- E) Matter ( body of project)
- F) Facts, Conclusions etc.
- G) Results and Impact
- H) Bibliography

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**Biology project:**

Write a project report on any one of the topics mentioned below:

1. Ozone, importance and its depletion
2. Water Harvesting & Waste water management
3. Biofertilizers
4. Food preservation ( Effect of pesticides & preservatives on health)
5. Mari culture and its impact on aquatic biotic population.

The project needs to include the following headings and sub-headings:

- A) Index
- B) Certificate
- C) Acknowledgement
- D) Introduction

*E) Matter ( body of project)*

*F) Facts, Conclusions etc.*

*G) Results and Impact*

*H) Bibliography*

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Happy  
Holidays