



# HOLY ANGEL PUBLIC SCHOOL ALMORA, UTTARAKHAND

## *Summer Vacation Homework* *Class IX*

### General instructions :

- Complete all the assigned work neatly and on time.
- Use your own handwriting and maintain cleanliness in your notebook/project.
- Read all instructions carefully before starting the work.
- Revise previous lessons regularly during the vacation.
- Be creative and present your work attractively.
- Submit the completed homework on the first day of school after the summer vacation.
- Parents are requested to guide and encourage their children, but the work should be done by the students themselves.

**Have a happy, safe, and productive summer vacation!** 🌞📚

# HOLIDAY HOMEWORK NOTICE

## Class IX • Biology

Dear Students,

As part of your summer vacation assignments, you are required to complete a thorough review of the fundamental unit of biology. Please ensure you complete the following tasks in your regular subject notebook:

### Assignment Details:

Complete all **In-text Questions** and **Chapter-End Exercises** from the chapter:

**“Cell - The Building Block of Life”**

### Guidelines for Submission:

- Work must be done neatly in your dedicated Biology homework/assignment notebook.
- Ensure all answers are written in your own words, keeping descriptions clear and structured.
- Make sure to draw and label diagrams cleanly where required (e.g., Plant Cell and Animal Cell) to support your answers.
- The notebook will be collected and evaluated for internal assessment immediately upon the reopening of the school.

*Have a productive, healthy, and happy summer break!*

# HOLY ANGEL PUBLIC SCHOOL ALMORA

## HOLIDAY HOMEWORK – CLASS 9 ENGLISH

\*Duration: 10 Days | 30-40 min daily

### **\*Instructions:\***

1. Do all work in a Grammar notebook. Heading + Date daily.
2. Write in your own words. Neatness + originality = marks.
3. Writing, Grammar, Reading.

### **\*Day 1: WRITING\***

\*Task: Write a Descriptive Paragraph on the given topic [100-120 words]\*

Topic: "A Rainy Day I Will Never Forget" OR "My Favorite Place at Home"

### **\*Day 2: WRITING\***

\*Task: Notice Writing [50 words]\*

You are the president of your society, organizing "Summer Yoga Camp" from 21 June to 25 June 2026, 6am-7am at Community Park. Write a notice for residents. Include: what, when, where, contact.

### **\*Day 3: READING\***

\*Task: Unseen Passage + Vocabulary\*

Read any English newspaper article 150 words on "Health/Food/Environment".

1. Write 5 new words + meaning + sentence
2. Write 50-word summary in your words

### **\*Day 4: GRAMMAR\***

\*Task: Tenses Drill\*

Rewrite 20 sentences – 5 each: Present Indefinite, Past Continuous, Future Perfect, Present Perfect.

Ex: She go to school → She goes to school

### **\*Day 5: WRITING\***

\*Task: Diary Entry [100-120 words]\*

Topic: "A day I spent without phone/internet" – write feelings + what you did instead

**\*Day 6: GRAMMAR\***

\*Task: Modals + Subject-Verb Agreement\*

Fill blanks: can/could/may/might/must/should + correct verb form

1. You \*\_\*\_ respect elders.

2. Each of the boys \*\_\*\_ present.

Make 10 original sentences using modals.

**\*Day 7: READING + WRITING\***

\*Task: Book/Film Review [80-100 words]\*

Watch/read any short story/film suitable for Class 9. Write: Title + 3 lines story + Did you like it? Why?

**\*Day 8: WRITING\***

\*Task: Story Completion [100-120 words]\*

Complete: "It was midnight. I heard a knock on the door. When I opened it, I saw..."  
\_Give title + moral at end\_

**\*Day 9: GRAMMAR + VOCAB\***

\*Task: Active-Passive + Idioms\*

1. Change 10 sentences Active ↔ Passive

2. Learn 5 idioms: "piece of cake, once in a blue moon, hit the sack" etc. Use each in sentence

**\*Day 10: REVISION + PRESENTATION\***

1. Make an Index + Cover page for your English HW notebook

2. Write "My 3 Learnings from 10 Days of English Practice" – 50 words

3. Check spellings, punctuation, underlining of keywords

\*\*\*\*\*Be Happy & Healthy\*\*\*\*\*

Teacher- Neeraj Joshi

Subject – Social Science

Class - 9th

Project 1: “My Constitution, My Pride”

Main Question: \_How does the Indian Constitution make India a democracy?\_

Sub-Questions to Cover:

1. What are the 4 key words in the Preamble? Explain “Democratic” and “Republic”.
2. Name 3 Fundamental Rights that protect democracy. Give real-life examples.
3. Who was Dr. B.R. Ambedkar and why is he called Father of Indian Constitution?
4. Collect pictures: Constituent Assembly, Original Preamble, Dr. Ambedkar signing.
5. Activity: Write the Preamble in calligraphy on A4 and explain 1 line in your words.

Project 2: “Elections – Festival of Democracy”

Main Question: \_How do free and fair elections form the backbone of democracy?\_

Sub-Questions:

1. What is the role of Election Commission of India? Who is the current CEC?
2. Explain “One Person, One Vote, One Value” with an example.
3. What is Model Code of Conduct? List 3 rules political parties must follow.
4. Survey: Ask 5 adults – “Did you vote in last election? Why/Why not?” Make bar graph.
5. Activity: Design a “Vote Karo” poster with slogan + draw EVM-VVPAT.

# **CLASS 9 – SUMMER HOLIDAY HOMEWORK (MATHEMATICS)**

Maintain proper presentation, show all steps clearly, and revise the concepts regularly.

## **Chapter 1: Orienting Yourself – The Use of Coordinates**

Solve the complete end-of-chapter exercise.

## **Chapter 2: Introduction to Linear Polynomial**

Solve the complete end-of-chapter exercise.

## **Chapter 3: Exploring Algebraic Identities**

Solve the complete end-of-chapter exercise.

## **Chart Activity (Any One)**

1. Types of Coordinates and their Applications in Daily Life.
2. Important Algebraic Identities with Suitable Examples.
3. Representation of Points on the Cartesian Plane.
4. Mind Map of Linear Polynomials and their Characteristics.
5. Formula Chart based on the Mathematics syllabus covered so far.

## **Instructions:**

- Complete all written work in a separate holiday homework notebook.
- The chart should be neat, colourful, and informative.
- Revise all three chapters regularly during the holidays.
- Submit the completed homework on the reopening day of the school.



HOLY ANGEL PUBLIC SCHOOL, ALMORA

SUMMER HOLIDAY HOME WORK

CLASS 9 - PHYSICS

Learning is the beginning of wealth.  
Learning is the beginning of health.  
Learning is the beginning of spirituality.  
Searching and learning is where the miracle process all begins.

**INSTRUCTIONS:**

- Holidays homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- The marks of holiday homework will be included in your Term-1 exam. Kindly deposit the holiday homework on 3rd July 2026 later it will not be accepted by me.
- Make a separate notebook for summer holiday homework which could also be used for winter holiday homework.

**Chapter: Motion**

**Part A: Conceptual Understanding**

- Define the following terms with examples: a) Uniform motion b) Acceleration
- Differentiate between: a) Speed and Velocity b) Distance and Displacement (Use tabular form)

**Part B: Numerical Practice**

- A car moves with a speed of 40 km/h for 2 hours and then with 60 km/h for 1 hour. Calculate the total distance and average speed
- An object starts from rest and accelerates uniformly at  $2 \text{ m/s}^2$ . Find the distance travelled in 5 seconds.
- A train is moving at a speed of 90 km/h. Brakes are applied and it comes to rest in 10 seconds. Find the acceleration and distance covered.

**Part C: HOTS (Higher Order Thinking Skills)**

- Can displacement be zero even when distance is not? Explain with an example,
- A cyclist moves in a circular path of radius 10 m. What is the displacement after one complete round? Why?

**Part D: Additional Descriptive Questions**

- Explain with a diagram: a) Velocity-time graph for uniform motion b) Velocity-time graph for uniformly accelerated motion.
- Derive the three equations of motion using: Graphical method
- Write short notes on: a) Retardation with examples b) Scalar and vector quantities with examples

**Part E: MCQs (Choose the correct option)**

- The SI unit of velocity is: a) km/h b) m/s c) m d)  $\text{m}^2/\text{s}$
- Which of the following is a scalar quantity?  
a) Velocity b) Displacement c) Speed d) Acceleration
- A body is said to be in uniform motion if:  
a) It moves with constant speed in a straight-line b) It moves in a circle  
c) It covers unequal distances in equal intervals  
d) Its speed decreases with time

**Part F: Application-Based Questions**

- A scooter travels first 10 km in 30 minutes and then 20 km in 45 minutes. Calculate its average speed.
- A car accelerates from 5 m/s to 25 m/s in 5 seconds. a) What is the acceleration? b) What distance is covered in this time?

# ग्रीष्मकालीन अवकाश हेतु गृह कार्य (2026-27)

परियोजना एवं रचनात्मक गतिविधि कार्य

कक्षा – नवमी (9)

विषय – हिंदी

प्रिय विद्यार्थियों,

ग्रीष्मकालीन अवकाश में अपनी रचनात्मक प्रतिभा को निखारने तथा स्वतंत्र लेखन शैली को सुदृढ़ करने के लिए पाठ्यपुस्तक "गंगा" पर आधारित निम्नलिखित विस्तृत परियोजना कार्य को पूर्ण करना अनिवार्य है।

## परियोजना कार्य का विवरण:

- अपनी हिंदी पाठ्यपुस्तक "गंगा" से किन्हीं दो पाठों का चयन करें— 1 पाठ गद्य खंड से तथा 1 पाठ पद्य (कविता) खंड से होना आवश्यक है।
- चयनित दोनों पाठों पर अलग-अलग एक सुंदर, विस्तृत और रचनात्मक प्रोजेक्ट फाइल तैयार करें।

## परियोजना के मुख्य मुख्य बिंदु (दोनों पाठों के लिए):

### 1. लेखक / कवि विस्तृत परिचय:

- लेखक/कवि का नाम, जीवनवृत्त, जन्म स्थान एवं शिक्षा का विवरण।
- उनकी प्रमुख साहित्यिक रचनाएँ, कृतियाँ तथा भाषा-शैली की विशेषताएँ।

### 2. पाठ का आलोचनात्मक सारांश व विश्लेषण:

- पाठ की मुख्य कथावस्तु या कविता का केंद्रीय भाव (स्पष्ट और प्रवाहमयी रूप में)।
- रचना का मुख्य उद्देश्य, समाज को मिलने वाली सीख अथवा संदेश की व्याख्या।

### 3. पाठ आधारित गहन प्रश्नोत्तर:

- पाठ से संबंधित न्यूनतम 5 महत्वपूर्ण एवं विश्लेषणात्मक प्रश्नों का निर्माण करें।
- उन सभी प्रश्नों के आदर्श, शुद्ध और व्याकरण सम्मत उत्तर प्रस्तुत करें।

## महत्वपूर्ण एवं विशेष निर्देश (नोट):

- **पृष्ठ सीमा:** प्रत्येक गतिविधि कार्य (गद्य हेतु 5 पृष्ठ और पद्य हेतु 5 पृष्ठ) कुल मिलाकर न्यूनतम 10 पृष्ठों की प्रोजेक्ट फाइल होनी अनिवार्य है।
- **प्रस्तुतीकरण:** कार्य पूर्णतः हस्तलिखित (Handwritten) होना चाहिए। सुंदर हस्तलेख, रंगीन कलात्मक बॉर्डर और आकर्षक शीर्षकों का प्रयोग करें।
- **रचनात्मकता:** लेखक/कवि के चित्र अथवा पाठ के भाव से संबंधित प्रासंगिक चित्रों/रेखाचित्रों का समावेश अवश्य करें।

"ज्ञान की साधना और निरंतर अभ्यास ही बौद्धिक श्रेष्ठता का मार्ग प्रशस्त करते हैं।"

# **Class 9 IT – Green Skills Project**

## **Theme: Environment and Sustainable Living**

Cover Page: Title, Name, Class, Roll No., Submitted To, School Name

## **Acknowledgement**

Thank your teacher, school, and parents for their guidance.

## **PART A: Environment and Pollution**

### **1. Introduction to Environment**

Meaning, importance, and role of the environment.

### **2. Pollution**

Definition, causes, effects, and prevention.

### **3. Types of Pollution**

Air, Water, Soil, and Noise Pollution with causes, effects, and prevention.

### **4. Pollution Around Me**

Paste photographs/drawings and write observations and solutions.

### **5. My Green Action**

Plant a tree, clean an area, segregate waste, or make a bird feeder. Add photos.

### **6. Greenhouse Effect**

Meaning, causes, and diagram.

### **7. Global Warming**

Meaning, causes, and effects.

### **8. Ozone Layer Depletion**

Meaning, causes, and prevention.

### **9. 3Rs Principle**

Reduce, Reuse, Recycle with examples.

## **PART B: Green Skills Activities**

### **Water Usage Analysis**

Create a table: Activity | Daily Water Usage | Observation

### **Electricity Usage Analysis**

Create a table: Appliance | Quantity | Average Daily Use

Write observations and 5 suggestions to conserve electricity.

## **PART C: Reflection**

Write what you learned about pollution, conservation, and green habits.

### **Conclusion**

Green skills help us use resources wisely and protect the environment.

### **Poster Topic: Go Green, Save Earth**

**NOTE : Make a Project file for the IT homework**

# HOLY ANGELS PUBLIC SCHOOL

## HOLIDAY HOMEWORK

### CLASS- 9. SUB -CHEMISTRY

#### Instructions:

- ✓ Complete the work neatly in your Chemistry notebook.
- ✓ Draw diagrams wherever required.
- ✓ Attempt all questions.
- ✓ Total Time Required: Approximately 2 Hours.

#### Part A: Multiple Choice Questions (1 × 2 = 2 Marks)

Q1. Which method is used to separate cream from milk?

- a) Filtration
- b) Sedimentation
- c) Centrifugation
- d) Sublimation

Q2. Which subatomic particle has no charge?

- a) Electron
- b) Proton
- c) Neutron
- d) Positron

#### Part B: Assertion–Reason Questions (1 × 2 = 2 Marks)

Q3. Assertion (A): Air is considered a homogeneous mixture.

Reason (R): The components of air are uniformly distributed throughout.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

Q4.Assertion (A): An atom is electrically neutral.

Reason (R): Number of protons equals the number of electrons in an atom.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

### Part C: Short Answer Questions (2 × 3 = 6 Marks)

Q5. Differentiate between:

Homogeneous mixture

Heterogeneous mixture

Give one example of each.

Q6. Write any three differences between protons and electrons.

Q7.Why is filtration not suitable for separating salt dissolved in water? Explain briefly.

### Part D: Concept Builder Questions (2 × 3 = 6 Marks)

Q8.Imagine you accidentally mixed:

Iron filings

Sand

Salt

Describe the sequence of separation methods you would use to obtain all three substances separately.

Q9.An atom contains:

17 protons

18 neutrons

17 electrons

Answer:

What is its atomic number?

What is its mass number?

Is the atom neutral or charged? Why?

**Part E: Long Answer Question (1 × 4 = 4 Marks)**

Q10. Describe Rutherford's Alpha Particle Scattering Experiment and write any four conclusions drawn from it.

 **FUN CHEMISTRY MINI PROJECT (Activity)**

"Chemistry in My Kitchen"

Observe your kitchen and identify any five mixtures used in daily life.

Prepare a colourful table:

Mixture

Homogeneous / Heterogeneous

Separation Method (if possible)

Example: Tea

Heterogeneous

Filtration

Bonus Creativity:

Draw or paste pictures of any two mixtures.

**"HAPPY HOLIDAYS "**