

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME: Social Science	
CLASS & SECTION: IX A,B,C	SUBJECT TEACHER NAME: DS & JS
<div>1. INSTRUCTIONS:</div> <div><div>1. Prepare a separate project file with a neat cover page, index and page numbers.</div><div>2. Use A4-size outline maps of India. Use a larger map when the labels would otherwise become crowded.</div><div>3. Draw or paste only accurate maps. Use an appropriate political or physical outline map according to the topic.</div><div>4. Write the title of every map clearly at the top of the page.</div><div>5. Use a pencil for locating and labelling places. Use different colours for physical regions, vegetation, climate and other thematic features.</div><div>6. Include a legend or key wherever symbols, shading or colours are used.</div><div>7. Mark rivers with blue lines, mountain ranges with brown shading or lines, and other features with suitable symbols. Keep the same convention throughout the project.</div><div>8. Write labels neatly and horizontally wherever possible. Avoid overlapping names or covering important boundaries.</div><div>9. For thematic maps, add two or three observations explaining the distribution of the features shown.</div><div>10. Use the prescribed textbook for geographical information. Mention the sources at the end of the project.</div><div>11. Complete all maps independently. Do not submit identical photocopied maps as a substitute for map-reading and labelling work.</div><div>12. Submit the project by 25 Nov 2026.</div></div>	

ASSIGNMENT

CHAPTER NO.: MAP-BASED PROJECT

PROJECT WORK: INTERDISCIPLINARY PROJECT

Title: MAP-BASED PROJECT

Note: Cadets must complete the following activities in their project file.

1. Geography & Earth Processes (Chapters 2 & 3: Shaping of the Earth’s Surface and Atmosphere & Climate)

- Major Physiographic / Landform Divisions of India:
 - Mountain Ranges: Karakoram, Zaskar, Shivalik, Aravali, Vindhya, Satpura, Western Ghats, and Eastern Ghats.
 - Peaks: K₂, Kanchenjunga, and Anai Mudi.
 - Plateaus: Deccan Plateau, Chota Nagpur Plateau, and Malwa Plateau.
 - Coastal Plains: Konkan, Malabar, Coromandel, and Northern Circars.
- Drainage & Water Bodies:
 - Major Rivers: Indus, Ganges, Sutlej, Narmada, Tapi, Kaveri, Krishna, Godavari, and Mahanadi.
 - Major Lakes: Wular Lake, Pulicat Lake, Sambhar Lake, and Chilika Lake.
- Climate & Weather Maps:
 - Annual rainfall distribution across India.
 - General directions of seasonal monsoon winds.

2. India's Location & Administrative Layout

- Neighbouring Countries of India
- Tropic of Cancer (23° 30' N) passing through Indian states
- Standard Meridian of India (82° 30' E)
- Major Indian States and Capitals / Union Territories

3. History Themes (Chapters 4 & 5: Early Humans and Beginning of Civilisation / State and Society up to 1000 CE)

- Ancient & Early Civilisational Sites:
 - Key Harappan and Stone Age settlement regions across the Indus-Saraswati and Gangetic plains.
 - Major ancient *Janapadas*, *Mahajanapadas*, and trade/pilgrimage routes (such as portions of the *Uttarapatha* and *Dakshinapatha*).

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME: HINDI

CLASS & SECTION: IX A, B, C

SUBJECT TEACHER NAME: RAMESH SAH

सामान्य निर्देश

1. सभी कार्य A4 आकार के पन्नों / हस्तनिर्मित स्क्रेप फ़ाइल में स्पष्ट हस्तलेख और दिनांक सहित पूर्ण करें।
2. यह गृहकार्य केवल सैद्धांतिक उत्तर नहीं, बल्कि आपके व्यावहारिक आचरण और जीवन-मूल्यों का संकलन है।
3. प्रस्तुति में रचनात्मकता, भाषा-शुद्धता और विचारों की मौलिकता को विशेष वरीयता दी जाएगी।

ASSIGNMENT

प्रश्न - 1. देश की सीमाओं पर तैनात किसी वीर सैनिक के नाम 100-120 शब्दों में एक भावपूर्ण पत्र लिखें, जिसमें उनके त्याग के प्रति आभार और एक अनुशासित नागरिक के रूप में देश-सेवा का आपका संकल्प व्यक्त हो।

प्रश्न - 2. सुभद्रा कुमारी चौहान की 'झाँसी की रानी' के शौर्य को केंद्र में रखकर अपने परिवेश की किसी जुझारू महिला (श्रमिक, चिकित्सक, माता आदि) के जीवन-संघर्ष पर 8-10 वाक्यों का एक प्रेरक चरित्र-चित्रण (केस-स्टडी) लिखें।

प्रश्न - 3. शेखर जोशी की कहानी के मानवीय भाव को समझते हुए परिवार के साथ एक शाम (2 घंटे) मोबाइल व टीवी से पूरी तरह दूर रहें। अपनों के संग संवाद और पारंपरिक खेलों के इस अनुभव पर 100 शब्दों में दिनांक सहित डायरी लिखें।

प्रश्न - 4. महात्मा गांधी, सुभाषचंद्र बोस, भगत सिंह अथवा सरदार वल्लभभाई पटेल में से किसी दो राष्ट्रीय नायकों का चयन कीजिए। उनके जीवन, विचारों और देश के प्रति योगदान पर आधारित तुलनात्मक तालिका बनाइए। फिर "आज के भारत को इन नायकों से क्या सीखना चाहिए?" विषय पर 200-250 शब्दों का विचारात्मक लेख लिखिए।

प्रश्न - 5. अपने घर, विद्यालय या मोहल्ले में देश के प्रति जिम्मेदारी निभाने के पाँच व्यावहारिक कार्य पहचानिए—जैसे सार्वजनिक संपत्ति की रक्षा, स्वच्छता, जल-संरक्षण, यातायात नियमों का पालन या जरूरतमंद की सहायता। इनमें से किसी एक कार्य को करके अपने अनुभव पर 150-200 शब्दों की रिपोर्ट लिखिए। अंत में देशभक्ति पर आधारित एक मौलिक नारा तैयार कीजिए।

प्रश्न - 6. अपने आसपास की किसी एक सामाजिक समस्या का चयन कीजिए—जैसे जल की बर्बादी, प्लास्टिक प्रदूषण, बुजुर्गों की उपेक्षा, डिजिटल दुर्व्यवहार या शिक्षा में असमानता। उसके कारण, प्रभाव और तीन व्यावहारिक समाधान लिखिए। इसके बाद इस विषय पर एक औपचारिक पत्र संबंधित अधिकारी को संबोधित करते हुए तैयार कीजिए।

प्रश्न - 7. कल्पना कीजिए कि आपको युवा संसद में तीन मिनट बोलने का अवसर मिला है। विषय है—“2047 का विकसित भारत: शिक्षा, रोजगार, आर्थिक आत्मनिर्भरता और नैतिक नागरिकता।” अपने भाषण में चार ठोस सुझाव दीजिए। भाषण में एक हिंदी कवि या लेखक के विचारों का संदर्भ, एक राष्ट्रीय नायक से मिली सीख और एक व्यक्तिगत संकल्प अवश्य शामिल करें।

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME: COMPUTER SCIENCE

CLASS & SECTION: IX

SUBJECT TEACHER NAME: Mr KULDEEP

INSTRUCTIONS:

- Write the answers in your own words in the homework notebook; do not copy from the internet or AI tools.
- Make the presentation on a computer and save it with the file name given in the project work.
- Submit the notebook and the presentation file on the day the school reopens.

ASSIGNMENT

TOPIC 1: ARTIFICIAL INTELLIGENCE

Q1. Short Answer (3–4 lines each)

- a. What is Artificial Intelligence? Give two examples of AI that you use in daily life.
- b. Name the three domains of AI and write one line about each.
- c. What is Machine Learning? Explain with a simple example.
- d. Write two advantages and two disadvantages of Artificial Intelligence.

TOPIC 2: MS OFFICE

Q2. Short Answer (3–4 lines each)

- a. Name any four applications of MS Office and write one use of each.
- b. What is a spreadsheet? Explain the terms cell, row and column.
- c. Write the steps to insert a table in MS Word.
- d. Differentiate between MS Word and MS PowerPoint.

PROJECT WORK:

Title: Artificial Intelligence in Our Daily Life (MS PowerPoint Presentation)

Practical Tasks

1. Open MS PowerPoint and prepare a presentation of 5 slides.
2. Slide 1: Title of the topic with your name, class and roll number.
3. Slide 2: What is Artificial Intelligence?
4. Slide 3: Examples of AI in daily life (add at least two pictures).
5. Slide 4: Advantages and disadvantages of AI.
6. Slide 5: Conclusion – how should we use AI responsibly?
7. Apply a design theme, change the font and colour of the headings, and add at least one transition or animation.
8. Save the file as ClassIX_Name_RollNo.pptx

Note: Keep the text on each slide short (3–4 points) and write it in your own words.

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME: ENGLISH	
CLASS & SECTION: IX A B C	SUBJECT TEACHER NAME: JAYANTI SAXENA
ENGLISH HOLIDAY *HOMEWORK / PROJECT WORK* *Class IX Subject: English Language and Literature* <ul style="list-style-type: none">Complete the following homework assignments neatly and creatively. Use proper English, follow the given hints, and pay attention to grammar, spelling, punctuation and presentation. Your work should reflect your understanding, and creativity .	

ASSIGNMENT

- Part A: Q.1.: Write a letter to the editor of the local newspaper drawing attention to traffic jams, rash driving and the increasing risk of road accidents in your locality.
- Hints for Letter 1
- Traffic jams during peak hours
- Rash driving and unnecessary honking
- Violation of traffic rules
- Unsafe roads for pedestrians and schoolchildren
- Need for traffic police and proper road signs
- Appeal for public cooperation and strict enforcement of rules
-
2. Write a letter to the Municipal Corporation highlighting the problem of overflowing garbage bins, plastic waste and unhygienic surroundings in your locality.
- Hints for Letter 2
- Accumulation of garbage and foul smell
- Spread of diseases and mosquito breeding
- Irregular garbage collection
- Lack of public awareness
- Appeal to the Municipal Corporation for regular cleaning
- Suggest waste segregation and responsible disposal
- CHAPTER NO.: GRAMMAR SECTION**
- PROJECT WORK:** Part B: Make your project attractive!
1. Cover page
- Write the title in large, colourful letters. Add your name, class, section, roll number, school name and academic session.
2. Creative presentation
- Use a Modal Tree to show different functions of modals. Use a Subject–Verb Agreement Wheel to display the important rules.
3. Interactive learning
- Add grammar quiz cards, speech bubbles, mini-charts and “Right vs Wrong” examples. Use different colours for rules and examples.
- Grammar Project Work**
- Topic: Grammar in Action – Modals and Subject-Verb Concord
- Suggested project sequence
- Cover Page
- Acknowledgement
- Index
- Introduction and Objectives
- Section 1 – Modals
- Section 2 – Subject-Verb Concord

SAINIK SCHOOL CHITTORGARH

AUTUMN VACATION HOLIDAY HOMEWORK : 2026-27

INFORMATION

SUBJECT NAME: BIOLOGY

CLASS & SECTION: IX A,B,C

SUBJECT TEACHER NAME: BHUPENDRA BIHARI VYAS

INSTRUCTIONS:

Format: The project must be compiled in an A4-size practical/project file with one-side ruled sheets.

Handwriting: The write-up must be neatly handwritten. Headings should be highlighted using black ink, while running text should be in blue ink.

Illustrations: Draw neat, labeled pencil diagrams or paste relevant printouts/photographs on the blank (left-hand) pages facing the respective written content.

ASSIGNMENT TOPIC : CLASSIFICATION OF ANIMALIA KINGDOM

SECTION I: Introduction & Fundamental Criteria for Classification

- Level of Organization
- Body Symmetry
- Embryonic Germ Layers
- Body Cavity (Coelom)
- Notochord

SECTION II: Schematic Classification Flowchart

SECTION III: Non-Chordate Phyla

1. Phylum: Porifera (Sponges)

- General Features
- Canal System
- Skeleton
- Examples

2. Phylum: Coelenterata / Cnidaria

- General Features
- Specialized Structures
- Body Forms

- Examples

3. Phylum: Platyhelminthes (Flatworms)

- General Features
- Coelom Status
- Parasitic Adaptations
- Examples

4. Phylum: Nematoda / Aschelminthes (Roundworms)

- General Features
- Coelom Status: Pseudocoelomate
- Alimentary Canal
- Examples

5. Phylum: Annelida (Segmented Worms)

- General Features
- Locomotion & Excretion
- Circulation
- Examples

6. Phylum: Arthropoda (Jointed-Legged Animals)

- General Features
- Key Characters
- Exoskeleton
- Circulation
- Examples

7. Phylum: Mollusca (Soft-Bodied Animals)

- General Features
- Body Divisions
- Mantle
- Examples

8. Phylum: Echinodermata (Spiny-Skinned Animals)

- General Features
- Symmetry
- Water Vascular System
- Examples

SECTION IV: Phylum Chordata & Subphylum Vertebrata

- **Distinguishing Features of Chordates**

- **Subphylum: Vertebrata (Craniata)**

The Five Major Classes of Vertebrates

- 1. Class: Pisces (Fishes)**
- 2. Class: Amphibia (Dual-Life Vertebrates)**
- 3. Class: Reptilia (Crawling / Creeping Vertebrates)**
- 4. Class: Aves (Birds)**
- 5. Class: Mammalia (Mammals)**

BIBLIOGRAPHY / REFERENCES

- **Textbooks:**
 - NCERT Science Textbook for Class IX, National Council of Educational Research and Training.
 - Laboratory Manual in Science for Class IX, NCERT.
- **Reference Books:**
 - S. Chand's Biology for Class IX
 - Pradeep's A Text Book of Biology for Class IX.
- **Educational Portals:**
 - National Portal of India — Science & Technology Education Resources.
 - Digital Infrastructure for Knowledge Sharing (DIKSHA), Ministry of Education, Govt. of India.

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

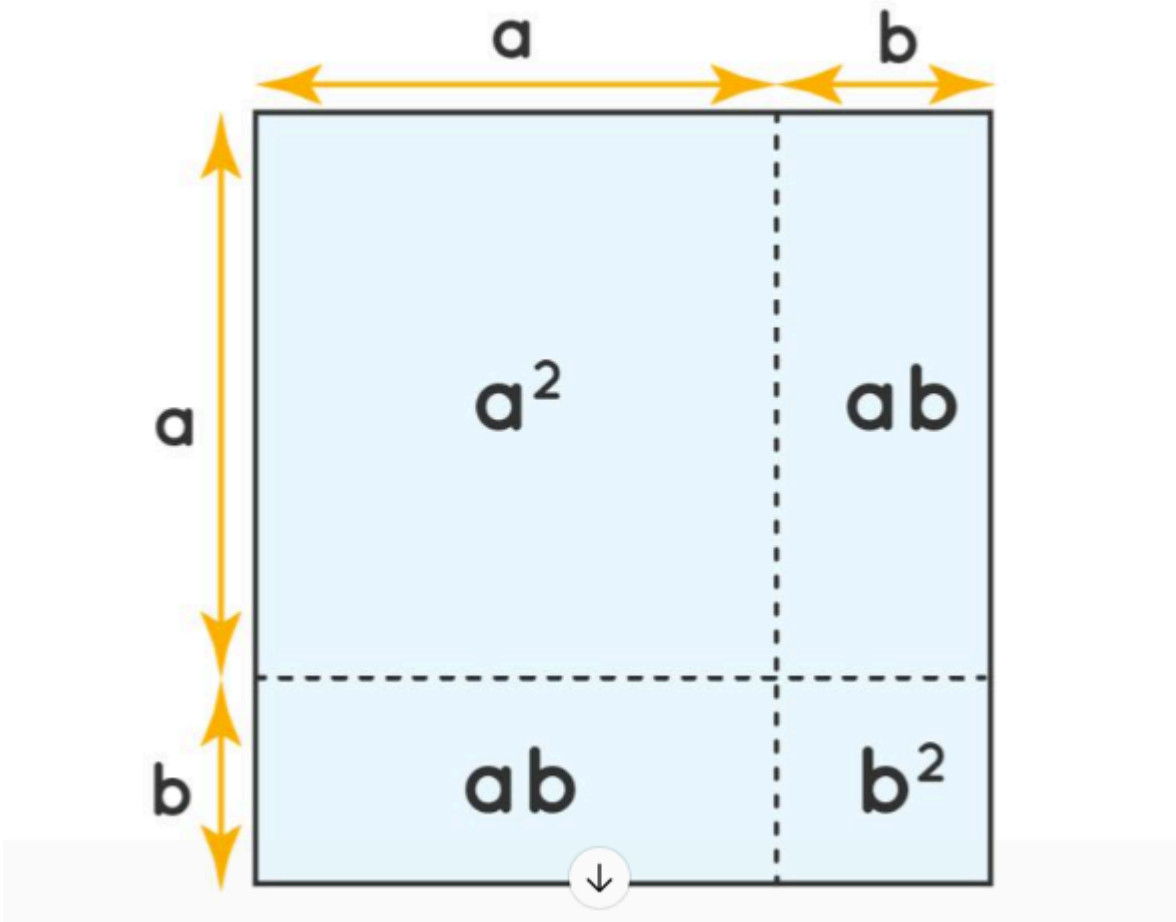
SUBJECT NAME:	
CLASS & SECTION:	SUBJECT TEACHER NAME:
INSTRUCTIONS: •	

ASSIGNMENT

CHAPTER NO.: 3

CHAPTER NO.: 3

PROJECT WORK:
Title: ALGEBRAIC IDENTITIES



Draw a large square of side $(a + b)$.
Divide it into four parts: one square of area a^2 , two rectangles each of area ab , and one square of area b^2 .
Calculate the total area of the large square.
Add the areas of the four smaller regions.

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME:	
CLASS & SECTION: IX A B and C	SUBJECT TEACHER NAME: DHARMENDRA SINGH YADAV
INSTRUCTIONS: <ul style="list-style-type: none">Given as a holiday HWAll the task are compulsory and to be submitted on time in a file	

ASSIGNMENT

CHAPTER NO.: 1

CHAPTER NO.: 1

PROJECT WORK: To apply geometry and measurement to a practical design problem.
Title: GEOMETRY IN REAL LIFE

Note: Situation: Your school wants to develop a rectangular park measuring 40 m × 25 m.

Tasks:

1. Draw a scale plan of the park on graph paper.
 2. Mark a rectangular lawn, a circular flower bed, walking paths and a playground.
 3. Calculate the total area of the park.
 4. Calculate the perimeter of the park.
 5. Find the area of the lawn and flower bed using the dimensions you choose.
 6. Estimate the cost of fencing at ₹150 per metre.
 7. Present your design with labels, dimensions and calculations.
- NOTE:-**Find five circular objects around you.
- 8.Trace their outlines and mark the centre, radius, diameter and chord.
 - 9.Measure the radius and diameter of each object.
 - 10.Verify the relationship $(d=2r)$.
 - 11.Measure the circumference and diameter of three circular objects and calculate their ratios.

SAINIK SCHOOL CHITTORGARH
AUTUMN VACATION HOLIDAY HOMEWORK

SUBJECT NAME: SCIENCE (CHEMISTRY)

CLASS & SECTION: 9 & A,B,C,

**SUBJECT TEACHER NAME: MR. TONY ABRAHAM
SIR and DR VIJAY KUMAR DWIVEDI**

INSTRUCTIONS: All questions are compulsory.

ASSIGNMENT

CHAPTER NO.: 1 and 2

Title: Project type: Inquiry-based project

Q1. Explore the properties of common household substances and how they can be identified.

Tasks:

1. Select four safe household substances, such as lemon juice, sugar solution, salt solution, and baking soda solution.
2. Record their colour, appearance, and solubility in water.
3. Investigate which samples are homogeneous and which are heterogeneous.
4. Explain why observing a single phase does not prove that a sample is a pure substance.
5. Research how indicators help distinguish acidic and basic solutions.
6. Prepare a table comparing the properties of the samples.

Case-based question: A student observes that two transparent liquids look identical. One contains dissolved sugar and the other contains dissolved salt. Can appearance alone identify the substances? Suggest a safe, scientifically valid way to investigate their differences.

Deliverable: Comparison table, research notes, and conclusion.

Note: Do not taste samples or mix household cleaners. Perform any indicator experiment with adult supervision.

Title: PROBLEM-SOLVING ACTIVITY :

Q2. An unknown atom has the following properties:

- Atomic number = 17
- Mass number = 35

Answer the following:

1. Find the number of protons, electrons and neutrons in the neutral atom.
2. Draw a labelled Bohr model showing the distribution of electrons in shells.
3. Identify the element.
4. Write its electronic configuration.
5. Explain why the atomic number identifies the element.
6. Another atom of the same element has mass number 37. Find its number of neutrons and explain how the two atoms are related.

Title: OBSERVATION-BASED ACTIVITY

Q3. A Shop owner is preparing ingredients for Diwali. During inspection, the following problems are discovered:

- Case A: Small iron filings have accidentally mixed with sand.
- Case B: Fine sand has entered a bowl of water.
- Case C: Salt has dissolved completely in water.
- Case D: Different coloured pigments are present in a mixture of rangoli colours.
- Case E: A mixture contains rice grains, small stones and iron pieces.

Answer the following questions:

1. Suggest a suitable separation method for each case.
 2. Explain why filtration cannot separate dissolved salt from water.
 3. Which physical property makes it possible to separate iron filings from sand?
 4. For Case E, design the correct sequence of separation steps.
 5. Explain how you could recover both salt and water from Case C.
 6. Which separation technique could help investigate the different pigments in rangoli colours? Explain the basic principle
-

Title: INVESTIGATION BASED ACTIVITY :

Q4. To investigate the properties of common household substances and understand how mixtures and substances behave.

Materials required: Lemon juice, salt, sugar, baking soda, water, transparent glasses, spoons and turmeric solution.

Tasks:

1. Collect five commonly used substances from your kitchen.
2. Classify each as a pure substance or a mixture, wherever appropriate.
3. Prepare solutions of salt, sugar and baking soda in water.
4. Record which substances dissolve completely and which do not.
5. Test lemon juice and baking soda separately using turmeric paper or solution, and record any colour changes.
6. Explain why some materials form homogeneous mixtures while others may form heterogeneous mixtures.

Note :- An observation table, photographs of the activity and a one-page scientific conclusion to given.

SAINIK SCHOOL CHITTORGARH

AUTUMN VACATION HOMEWORK -2026-27

SUBJECT NAME : SANSKRIT

CLASS & SECTION: IX

SUBJECT TEACHER NAME : P CHANDRASEKHARAN

ASSIGNMENT

1. अव्ययस्य परिभाषां लिखित्वा पाठेभ्यः अव्ययपदानि चित्वा वाक्यानि रचयत ।
2. लट् लृट् लोट् लङ् लकारेषु विंशति वाक्यानि लिखत ।
3. नद्यः इति पाठः शुद्धः तथा स्पष्टाक्षरैः पुस्तिकायां लिखत ।
4. किमपिविषयमधिकृत्य एकं निबन्धं संस्कृत भाषायां लिखत ।
5. पाठपुस्तकात् एकतः शतपर्यन्तं संख्यावाचक पदानि चित्वा लिखत ।