



Class 9th HOLIDAY HOMEWORK



ENGLISH

WRITING SKILLS

LETTER



- 1 Write a letter to the chairman of the development authorities of your city requesting the construction of a recreation park in your locality.
- 2 Write a letter to the principal of your school requesting permission for organising an environmental awareness programme at the school.



EMAIL



- 3 Write an email to the editor of an online magazine expressing your views on an article titled, "No to Gender Discrimination", he or she wrote.
- 4 Write an email to a confectionery manufacturer complaining about the poor quality of their products.
- 5 Write an email to a well-known film personality requesting him or her to be the judge at a theatre festival in your school.



POSTER

- 6 Save water save life



**SAVE WATER
SAVE LIFE**

- 7 the earth is heating up
let's cool it down



**THE EARTH IS HEATING UP
LET'S COOLL IT DOWN**

ARTICLE WRITING



- 8 Artificial Intelligence: Boon or Bane?



- 9 The Impact of Social Media on Mental Health



- 10 The Scarcity of Clean Drinking Water



NOTE: Everything must be done in your English Grammar Fair Notebook.





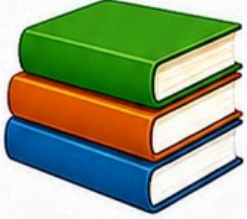
G-ROOTS GLOBAL SCHOOL

SHAPING MINDS



Class - IX

HOLIDAY HOMEWORK



ਵਿਸ਼ਾ - ਪੰਜਾਬੀ



ਲੈਖ ਲਿਖੋ -

੧ ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਮੱਸਿਆ

੨ ਦਿਵਾਲੀ



CONTACT US
9166239729



WEBSITE
www.grootsglobalschool.org



ADDRESS
Chak 9 O SGNR Road,
Sri Karanpur



G-ROOTS GLOBAL SCHOOL

SHAPING MINDS



HOLIDAY HOMEWORK



= **CLASS IX** =

= **MATHEMATICS** =



SESSION 2026-27

MATHEMATICS ASSIGNMENTS



1 Learn and write tables up to 30



2 Learn and write squares up to 50



3 Learn and write cubes up to 20



☆ *Keep Practicing, Keep Growing!* ☆



G-ROOTS GLOBAL SCHOOL

SHAPING MINDS



HOLIDAY HOMEWORK



• CLASS: IX • CHAPTER: 4 • SUBJECT: SCIENCE

Ch - 4 | Motion

Session
2026-27

Learn Today,
Lead Tomorrow

Healthy Mind,
Healthy Body,
Bright Future!



INSTRUCTION – Solve all the questions in your Science Notebook.

1. A car accelerates uniformly from 0 m/s to 20 m/s in 5 s. Find its acceleration.
2. A train moving with an initial velocity of 10 m/s accelerates at 2 m/s^2 for 5 s. Find its final velocity.
3. A bus starts from rest and accelerates uniformly at 3 m/s^2 for 4 s. Find the distance travelled.
4. A bike moving at 15 m/s comes to rest in 5 s. Find its acceleration.
5. A car accelerates from 10 m/s to 30 m/s in 10 s. Find the distance travelled.
6. A body moves with a constant velocity of 12 m/s for 8 s. Find the distance travelled.
7. A car starts from rest and reaches a velocity of 25 m/s in 5 s. Find its acceleration.
8. A train slows down from 20 m/s to 5 m/s in 5 s. Find the acceleration.
9. A stone is dropped from rest and accelerates at 10 m/s^2 for 3 s. Find its final velocity.
10. A car moving at 20 m/s travels for 10 s. Find the distance covered.
11. A body accelerates uniformly from 5 m/s to 25 m/s in 4 s. Find the acceleration.
12. A truck moving at 15 m/s slows down with an acceleration of -3 m/s^2 . Find the time taken to stop.
13. A body starts from rest and travels 50 m in 5 s. Find its acceleration.
14. A train accelerates uniformly at 1.5 m/s^2 from rest. Find its velocity after 10 s.
15. A car moving at 30 m/s slows down uniformly to 10 m/s in 5 s. Find the distance travelled.
16. A body moving with a velocity of 10 m/s accelerates at 2 m/s^2 for 6 s. Find the distance covered.
17. A cyclist increases speed from 2 m/s to 8 m/s in 3 s. Find the acceleration.
18. A ball thrown upward with velocity 20 m/s comes to rest at the highest point. Find the time taken ($g = 10 \text{ m/s}^2$).
19. A train travels at a constant speed of 60 km/h for 2 hours. Find the distance travelled.
20. A car accelerates from 5 m/s to 25 m/s over a distance of 100 m. Find its acceleration.
21. A car increases its velocity from 8 m/s to 24 m/s in 4 s. Find its acceleration.
22. A train moving at 12 m/s accelerates uniformly at 1.5 m/s^2 for 6 s. Find its final velocity.
23. A bus starts from rest and covers 72 m in 6 s with uniform acceleration. Find its acceleration.
24. A bike moving at 18 m/s comes to rest in 6 s. Find its acceleration.
25. A car accelerates from 5 m/s to 25 m/s in 8 s. Find the distance travelled.
26. A body moves with a constant speed of 20 m/s for 15 s. Find the distance covered.
27. A train starts from rest and reaches 30 m/s in 10 s. Find its acceleration.
28. A car slows down from 25 m/s to 10 m/s in 5 s. Find the acceleration.
29. A freely falling object accelerates at 10 m/s^2 for 4 s. Find its final velocity.
30. A vehicle moving at 12 m/s travels for 25 s. Find the distance covered.
31. A body accelerates from 6 m/s to 18 m/s in 3 s. Find the acceleration.
32. A truck moving at 20 m/s slows down uniformly at 4 m/s^2 . Find the time taken to stop.
33. A body starts from rest and travels 80 m in 8 s. Find its acceleration.
34. A train accelerates uniformly at 2 m/s^2 from rest. Find its velocity after 7 s.
35. A car moving at 28 m/s slows down to 8 m/s in 4 s. Find the distance travelled.
36. A body moving with a velocity of 15 m/s accelerates at 3 m/s^2 for 5 s. Find the distance covered.
37. A cyclist increases speed from 4 m/s to 16 m/s in 6 s. Find the acceleration.
38. A ball thrown vertically upward with velocity 30 m/s comes to rest at the highest point. Find the time taken ($g = 10 \text{ m/s}^2$).
39. A train travels at a constant speed of 72 km/h for 3 hours. Find the distance travelled.
40. A car accelerates from 10 m/s to 30 m/s over a distance of 200 m. Find its acceleration.



Stay Active, Stay Healthy – Motion is Life!





G-ROOTS GLOBAL SCHOOL

SHAPING MINDS

CLASS IX – SUMMER VACATION HOLIDAYS HOMEWORK (SST)

Based on New Syllabus 2026-27



1. MAP BASED QUESTION

A. SOME IMPORTANT ARCHAEOLOGICAL SITES

On the outline map of India, locate and label the following sites:

1. Harappa
2. Mohenjo-daro
3. Lothal
4. Kalibangan
5. Dholavira
6. Sanchi
7. Hampi
8. Ajanta
9. Ellora
10. Bhimbetka



B. ADVANCING MONSOON

On the outline map of India, show the advancing monsoon (June to September) by arrows and dates.

- 1 June
- 15 June
- 1 July
- 15 July
- 1 August
- 15 August



C. RETREATING MONSOON

On the outline map of India, show the retreating monsoon (September to December) by arrows and dates.

- 1 Sept.
- 15 Sept.
- 1 Oct.
- 15 Oct.
- 1 Nov.
- 15 Nov.



★ Use neat outline maps. Show arrows and dates clearly. Label all sites and directions.

2. ACTIVITY – WEATHER OBSERVATION AND ANALYSIS



Record the temperature at 15 different times of the day (morning, afternoon, evening) for three days using a thermometer or weather app.

- Make a table of your findings.
- Compare and contrast the temperature of any other place in a different state on the same 15 times.
- Analyse the difference in temperature.

A. MY CITY / TOWN			
Time	Day 1 (°C)	Day 2 (°C)	Day 3 (°C)
1. 6:00 am (Morning)			
2. 7:00 am			
3. 8:00 am			
4. 9:00 am			
5. 10:00 am			
6. 11:00 am			
7. 12:00 pm (Afternoon)			
8. 1:00 pm			
9. 2:00 pm			
10. 3:00 pm			
11. 4:00 pm			
12. 5:00 pm (Evening)			
13. 6:00 pm			
14. 7:00 pm			
15. 8:00 pm			

B. OTHER PLACE (Different State)			
Time	Day 1 (°C)	Day 2 (°C)	Day 3 (°C)
1. 6:00 am (Morning)			
2. 7:00 am			
3. 8:00 am			
4. 9:00 am			
5. 10:00 am			
6. 11:00 am			
7. 12:00 pm (Afternoon)			
8. 1:00 pm			
9. 2:00 pm			
10. 3:00 pm			
11. 4:00 pm			
12. 5:00 pm (Evening)			
13. 6:00 pm			
14. 7:00 pm			
15. 8:00 pm			

C. ANALYSIS

- Which place is generally warmer/cooler?
- At which time of the day is the maximum difference observed?
- What could be the reasons for the difference in temperature?
- Write your conclusion.

3. TOPICS FOR REVISION

A. GEOLOGY: LANDFORMS – EARTH'S LIVING CANVAS

- The Earth's Crust
- Endogenic and Exogenic Processes
- Major Landforms:
 - Mountains: Fold, Block, Volcanic
 - Plateaus: Types and Examples
 - Plains: Alluvial, Coastal
 - Deserts: Formation and Types
- Rocks: Igneous, Sedimentary, Metamorphic
- Soil: Formation and Types
- Role of Human Beings in Shaping Landforms



B. GEOGRAPHY: THE DYNAMIC ATMOSPHERE AND CHANGING CLIMATE

- Composition and Structure of Atmosphere
- Insolation and Temperature
- Atmospheric Pressure and Winds
- Moisture in the Atmosphere
- Weather and Climate
- Factors Affecting Climate
- Climate Change: Causes, Effects and Mitigation
- Cyclones: Formation and Impact



GENERAL TIPS

- ✓ Do all work in a neat and presentable way.
- ✓ Use diagrams, maps and charts wherever required.
- ✓ Use A4 size sheets for project work and activities.

- ✓ Be original in your work and give proper headings.
- ✓ Revise all topics regularly for better understanding.
- ✓ Make learning fun and meaningful!



CONTACT US
9166239729



WEBSITE
www.grootsglobalschool.org



ADDRESS
Chak 9 O SGNR Road,
Sri Karanpur



CLASS IX SUMMER VACATION SOCIAL SCIENCE PROJECT WORK (SST)



Project Topic: Earth's Living Canvas + The Dynamic Atmosphere and Changing Climate +
The Earliest People: The Stone Age + Harappan and Contemporary Mesopotamian Civilisation +
Egyptian and Chinese Civilisations



Your final submission must be neatly compiled in a sturdy A4 size file folder.
Use color pens, diagrams, maps and pictures effectively.

MANDATORY STRUCTURE OF PROJECT FILE

1 COVER PAGE

- Project Title
- Your Name
- Class, Section, Roll Number
- Subject Teacher



5 MAIN CONTENT (5 THEMES)

Work on the following themes. Use headings, subheadings, diagrams, pictures, timelines, maps, flowcharts and key points.



2 INDEX PAGE

A numbered list of all project sections and map pages.



6 DATA / FIELD WORK (If any)

Collect data, make observations, paste pictures, draw charts and maps related to the topics.



3 ACKNOWLEDGMENT

Acknowledge your teachers, family or anyone who helped you in completing the project.



7 CONCLUSION / REFLECTIONS

Write what you have learned from the project and how it has changed your perspective.



4 INTRODUCTION / RATIONALE

Write a brief paragraph explaining why you chose these topics and their importance in Social Science.



8 BIBLIOGRAPHY

List of books, websites and other sources used for your research.



MAIN CONTENT – 5 THEMES

1. EARTH'S LIVING CANVAS

- Endogenic and Exogenic processes
- Major landforms (Mountains, Plateaus, Plains, Deserts, Coasts)
- Rocks and Soil
- Human impact on landforms



2. THE DYNAMIC ATMOSPHERE AND CHANGING CLIMATE

- Composition and structure of atmosphere
- Weather and Climate
- Factors affecting climate
- Climate change: Causes, Effects and Mitigation
- Cyclones and Monsoon System



3. THE EARLIEST PEOPLE: THE STONE AGE

- Meaning and time period
- Palaeolithic Age
- Mesolithic Age
- Neolithic Age
- Tools, food, life and art of early humans



4. HARAPPAN AND CONTEMPORARY MESOPOTAMIAN CIVILISATION

- Location and time period
- Town planning
- Important features
- Economy, society, religion and art
- Comparison between Harappan and Mesopotamian Civilisations



5. EGYPTIAN AND CHINESE CIVILISATIONS

- Location and time period
- Political organisation
- Society and economy
- Religion and culture
- Writing, art, architecture and achievements
- Comparison between Egyptian and Chinese Civilisations



TIPS FOR SUCCESS



- ✓ Plan your work and divide topics.
- ✓ Use diagrams, maps, flowcharts and pictures.
- ✓ Write neatly and highlight important points.
- ✓ Submit your project on time.



IMPORTANT INSTRUCTIONS

- ✓ Original work only.
- ✓ Neat, clean and well-presented file.
- ✓ Use A4 size sheets.
- ✓ Be creative and resourceful.

LEARN,
EXPLORE
AND GROW! 😊