



# John Wesley Convent, Rohtak

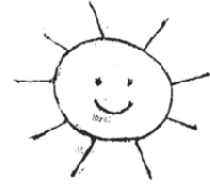
Summer Vacation Home Work (2026-27)

Class: IX



**Hurrah!**

**Break Time.....**



## General Instructions:

- Do your holidays homework in a very neat and tidy manner.
- Do the written work in a separate Notebook.
- Parents should converse most of the time in English with their wards.
- The submission date for the homework for English, Maths, Social Science & IT is **01/07/2026**.
- The submission date for the homework for Hindi, Science, Reasoning is **02/07/2026**.



## English

### Part – A

**Reading Skills** - Solve 5 unseen passages and write difficult words and their meanings from each passage.

**Literature** Revise all chapters and poems done in class thoroughly.

**Activity** - Write the summary of each chapter and poem in your own words.

**Grammar : Revise and practice** - Write 10 sentences of each tense. Write 20 sentences using modals.

### Activity

#### i) CARBON Paragraph Writing

- **Write a paragraph (150–200 words) on:** “Carbon and Its Uses in Daily Life”

Include: Meaning of carbon, Importance of carbon, Uses in daily life, Carbon in nature and industries

#### ii) Chart Making Activities

##### Chart – 1 Write definitions and examples of each. (Roll no 1 to 20)

- Parts of Speech, Prepare a colourful chart explaining, Noun, Pronoun, Verb, Adverb, Adjective, Preposition, Conjunction & Interjection

##### Chart – 2 Tenses ( Roll no. 21 onwards)

- Prepare a chart showing: All 12 Tenses, Structure/Form, One example of each tense

### Writing Skills Letter Writing

- **Write any 4 formal letters:** Letter to the Editor, Complaint Letter, Application Letter & Inquiry Letter
- **Analytical Paragraph Writing on** Bar Graph, Pie Chart, Table, Line Graph

## Part – B

### Literature Enrichment

**Activity** Write character sketches of: Grandmother, The Pot Maker

- Write: Moral values from both chapters & Central idea of both poems

### Carbon Project Work

- Prepare a mini project on: "Importance of Carbon in Human Life"

**Creative Activity** Watch any English educational movie/cartoon/documentary and write: Name of the movie, Main characters, Story summary & Moral/message

### Hindi

- अनुक्रमांक के अनुसार चार्ट तैयार कीजिए।
  1. संज्ञा की परिभाषा और प्रकार, संज्ञा के उदाहरण, संज्ञा के प्रयोग, संज्ञा का महत्व (अनुक्रमांक 1 से 20)  
विशेषण की परिभाषा और प्रकार विशेषण के उदाहरण विशेषण का प्रयोग और उसका महत्व (अनुक्रमांक 21 से 40)
  2. शीर्षक: "मैं कार्बन हूँ: कोयले से हीरे तक का सफर" चार्ट पर अंकित करें। (अनुक्रमांक 28 से 40)  
"पौधे और हम कार्बन की अदला बदली" पर एक मॉडल तैयार कीजिए। (अनुक्रमांक 1 से 13)
  3. क्षितिज + स्पर्श को असल जिंदगी से जोड़ें।  
कार्य: अपनी किताब से 2 कवि/लेखक चुनें। आज के जमाने में उनके विषय/शैली के उदाहरण ढूँढें। जैसे: रहीम के दोस्ती पर दोहे Vs आज के रील्स/कोट्स।
  4. कक्षा -कक्ष में करवाए गए पाठ, कविता, व्याकरण (अलंकार, संज्ञा, विशेषण), रचनात्मक लेखन (अनुच्छेद, पत्र) उत्तर पुस्तिका में पूर्ण कीजिए व याद कीजिए।
  5. किन्ही दो ज्वलंत विषयों पर 250 से 300 शब्दों के निबंध लिखें जैसे की आने वाले समय में पेट्रोल बार डीजल के सीमित प्रयोग से भी जीवन को सुचारू रूप से चलाया जा सकता है।  
आज के युग में विद्यार्थी जीवन में आने वाले कठिनाइयों में भी अपनी संतुलन को किस प्रकार बनाए रखें।

### Mathematics

#### Project Work

Carbon Co-ordinate City (Roll no. 1--10)

- Draw a city map on graph paper/ Cartesian Plane using co-ordinates. Mark:- Carbon factory, Trees' Oxygen Park, Fuel station, Write co-ordinates of all locations.

Linear Polynomial in Daily Life ( Roll no 11-20)

- Collect 5 real-life situations where linear polynomials are used. Prepare a report on it. Example: Petrol cost, Electricity bill, Mobile recharge. Represent each using a linear polynomial.

Carbon Footprint Survey. (Roll no. 21--30)

- Take a survey of 20 people about: Use of petrol vehicles, Use of bicycles, Public transport.
- Represent the data using sets and Venn diagrams. Prepare a project report on above topic.

Mathematical Poster on Carbon ( Roll no.31 onwards)

- Prepare a colorful poster showing: Carbon cycle, Mathematical shapes, Graphs, Co-ordinates.

Include at least 5 mathematical facts.

- Solve all case based questions and MCQ of the following chapters from 'Elements ' in Holidays Homework notebook from Chapter - Introduction to Linear equations & Coordinate geometry.
- **Solve 'End of the chapter exercise' from Ganit Manjari of chapter 1 , 2 and 3 in Holiday Homework notebook.**

## Science

### Physics

- Chapter 4. Motion – Revise do NCERT exercise in your notebook, Do 15 numericals on each topic
- Make all position - time and Velocity - time graph on a chart.
- Make a colorful poster on any one topic: (Use diagrams and slogans) - Motion in Daily Life, .Road Safety and Speed Limits, .Types of Motion,

### Chemistry

- Chapter 5 Exploring mixtures and their Separation - Learn all separation techniques and concentration terms, true solution, suspension and colloid with differences. Prepare & solve 15 numerical based on concentration terms with proper units.
- Project work: Create a small project report where you tried to separate 5 mixtures and what methods you used to do so.

### Biology

Chapter: Cell – Structure and Functions.

Theory Work (To be done in notebook)

1. What is a cell? Why is the cell called the structural and functional unit of life?
2. Write the differences between a plant cell and an animal cell.
3. Write the names and functions of the following cell organelles: Nucleus, Cytoplasm, Cell Wall, Mitochondria

Draw and label the following diagrams:

- Plant Cell, Label the following parts - Cell Wall, Cell Membrane, Nucleus, Vacuole, Chloroplast, Cytoplasm
- Animal Cell Label the following parts -Nucleus, Cytoplasm, Cell Membrane, Mitochondria, Vacuole  
Onion Peel Cell (Microscopic View)

### Carbon Theme Model Work

Model 1: 3D Cell Model (Roll no. 1 to 20)

- Prepare a 3D model of a plant cell or animal cell using an eco-friendly carbon theme.

Model 2: Carbon and Life Poster (Roll no 20 onwards)

- Prepare a poster with the title: “Carbon – The Element of Life”  
Include: Carbon in living cells, DNA, proteins, and carbohydrates, Relationship between carbon and cell structure

**Note:** Complete the lab manual work of Physics ( 8,9,10), Chemistry (1,2,3) and Biology (6,7) as discussed in class.

## Social Science

- Read & Learn the work done in class thoroughly. Theme 1, 2, 6, 8 & 9
- Prepare 20 MCQs and 10 Assertion Reason questions (1 mark) each from the above mentioned 5 Themes.

**Map work:** Practice & Paste 2 maps for each in S.S. Project Notebook

- 1) The island groups of India lying in the Arabian sea and the Bay of Bengal.
- 2) The neighbouring countries constituting the Indian Subcontinent.
- 3) The states through which the Tropic of Cancer passes.
- 4) The strait separating Sri Lanka from India.
- 5) States & their capital/capitals, Union Territories & their capital/capitals.
- 6) Earthquake zones in India (Theme-2)

## Project Work

1. Prepare a file on Disaster Management including:- Flood, Landslide, Earthquake, Avalanche, GLOF, Industrial Accidents
2. Topic: Carbon and Its Role in Society  
Prepare a project/chart/model on "Carbon: Its Forms, Uses, and Impact on Human Life & Environment". Highlight its importance in daily life, industry, and environmental issues like global warming.
3. Model Making  
Prepare a 3D model showing supply and demand curves with equilibrium prices. Label axes and show how price changes when curves shift. (Roll No. 1-10)
  - Create a 3D model of an ancient temple or monument, or a UNESCO Heritage site ( Roll No. 11-20)
  - Create a 3D relief model of India highlighting its Earthquake prone zones. ( Roll No. 21-30)
  - Create a 3D model of an ecosystem, such as a forest or a desert, highlighting its components and interactions. (Roll No. 31 onwards)

## I T

- **Learn Part A (Unit-1,3) + Part B (Unit-5)**
- **Prepare a chart on topics:-**
  - Types of Charts in Calc (Roll No. 1-20)
  - Any 5 AI Tools with logo & explanation (Roll No. 21 onwards)
- **Prepare a Model on:-**
  - Generations of Computer (Roll No 1-20)
  - RAM a storage device model (Roll No 21 onwards)
- **Prepare a PPT (3 slides) on the Topic "Uses of Carbon in Computers" and get either coloured or black and white printouts**

## Reasoning

- **Practice 15 questions each of the following topics in a separate Notebook.**
  1. Analogy Letters
  2. Analogy Alphabet
  3. Analogy Numbers
  4. Analogy Words
  5. Coding -Decoding