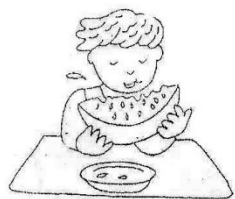




John Wesley Convent, Rohtak

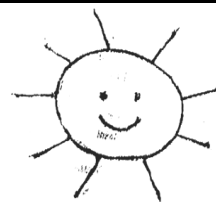
Summer Vacation Home Work (2025-26)

Class: X



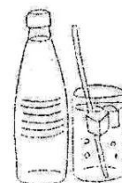
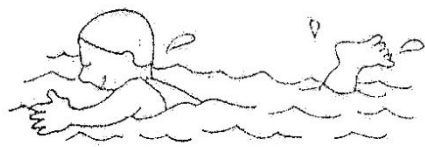
Hurrah!

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 is **04/07/2025**.
- The submission date for the homework for Hindi & Science is **05/07/2025**.
- The submission date for the homework for Social Science & Art & Craft is **07/07/2025**.
- The submission date for the homework of IT & GK is **08/07/2025**.



ENGLISH

Writing Task (Compulsory)

Topic: Usage of Nitrogen Gas in Our Day-to-Day Life

Write a paragraph in about 250 words.

Creative Writing

Write two poems (8–12 lines) on the themes: Freedom, Nature, or Dreams.

Write two short stories (150–200 words) with a moral value.

Grammar Practice

Prepare a chart on Tenses or Reported Speech with examples.

Do 10 exercises from any grammar reference book or worksheet.

(Focus: editing, gap-filling, sentence reordering)

Project File Work

Prepare a file on: “300 Useful English Words and Their Daily Usage”

Create a “Literature Album” featuring character sketches and story summaries with illustrations.

Model Making (Roll Number-Wise Division)

1. Model: “Story House” – A cardboard house where each room displays a short moral story with pictures. (Roll No. 1-15)
2. Model: “Grammar Garden” – Create flowers where each petal represents a grammar topic. (Roll No. 16-30)
3. Model: “English Vocabulary Tree” – A tree with new words and their meanings on the leaves. (Roll No. 31 onwards)

HINDI

- 1 नाइट्रोजन चक्र की विशेषताएं बताते हुए पौधों में इसके महत्व का वर्णन करते हुए एक अनुच्छेद लिखिए।
- 2 निम्नलिखित में से कोई दो फ़िल्म देखिए और उनसे मिलनेवाली पाँच प्रमुख शिक्षाएँ लिखिए :-
आई एम कलाम, चॉक एंड डस्टर, तारे ज़मीन पर, उम्मीद, रद्दी लाइब्रेरी
3. देश भक्ति/हास्य कविता/ प्रेरणादायक कविता रचनाओं में से किसी एक कविता को याद कर अपना परिचय देते हुए (Introduction)वाचन प्रस्तुति (ASL)हेतु 2 से 3 मिनट का ऑडियो प्रेषित करें।
- 4 कोई दो शुभकामना संदेश/ईमेल/विज्ञापन/स्ववृत्त लिखिए जो पहले उत्तर पुस्तिका में ना लिखवाए गए हो। (A3 शीट पर)
- 5 अनुक्रमांक अनुसार दिए गए उप विषय पर मॉडल तैयार करें।
 - अनुक्रमांक (1 – 15) वाक्य
 - अनुक्रमांक (15 – 30) पद परिचय
 - अनुक्रमांक (30 से आगे) अलंकार
- 6 कक्षा कक्ष में करवाए गए पाठ एक सूरदास के पद, पाठ दो राम लक्ष्मण परशुराम संवाद, पाठ दस नेताजी का चश्मा , पाठ ग्यारह बालगोबिन भगत,
व्याकरण वाक्य, पद परिचय, संदेश लेखन, ईमेल लेखन, विज्ञापन लेखन उत्तर पुस्तिका में पूर्ण कीजिए व याद कीजिए।

MATHEMATICS

Revise the following chapters:-

- * Chapter 1. Real Numbers
- * Chapter 2. Polynomials
- * Chapter 3. Pair of Linear equation in two variables
- * Chapter 7. Coordinate Geometry

Do all the NCERT exemplar questions of above mentioned chapters in Practice Notebook & ensure that you are clear with the topic to attempt any Question correctly.

Explore about Nitrogen

Topic :- Calculating Nitrogen Content In Different Fertilizers

Instructions:-

- * Calculate the percentage of Nitrogen in different fertilizers.
- * Compare the Nitrogen content in different fertilizers using bar graph and pie chart
- * Analyze data on the effect of Nitrogen on Plant growth.

Lab Manual Activities

Do. Activity no. 1, 2, 3, 6, 8 in your Maths Lab manual.

Model Work

Prepare a 3 D model on the following topics as per your Roll No. Distribution

- * To find the Height of a Building or a hill using application of Trigonometry (Roll No. 1-10)
- * Pythagoras Theorem (Roll No. 11-20)
- * Area of a Circle. (Roll No. 21-30)
- * Create a puzzle or a game using Pair of Linear equation in two variables. (Roll No. 31 onwards)

SCIENCE

Revise chapter 6 (NCERT)

Topics:

- 1) Nutrition
- 2) Respiration
- 3) Transportation
- 4) Excretion

Make Model assigned as per role number

- 1) Nitrogen Cycle (Roll No. 1-7)
- 2) To show Importance of Nitrogen in environment (Roll No. 8-14)
- 3) Human Heart (Roll No. 15-21)
- 4) Human Alimentary Canal (Roll No. 22-28)
- 5) Human Respiratory System (Roll No. 29-35)
- 6) Human Excretory System (Roll No. 36 onwards)

Practice the following Diagrams (make 2-3 times each):

- a) Excretory System
- b) Human Heart
- c) Human Respiratory System
- d) Human Alimentary Canal

CHEMISTRY

- Learn chapter-1. Chemical Reaction and equation
- Chapter-2. Acid base and salt
- Learn NCERT exercises along with intext questions
- Prepare Lab manual
- *Project* *work*-Explore the nitrogen cycle and its impact on environment

PHYSICS

1. Revise chapter - 12 (Electricity)
2. Do all the numericals of Ncert of chapter Electricity
3. Do all the numericals done in class of chapter Electricity
4. Prepare practical file of physics
5. Study ch 9 Light from ncert

6. Make a chart on series and parallel combination of resistances

SOCIAL SCIENCE

- **Read & Revise**

1. Geography

Topics to Focus:

Resources and Development (Types of resources, soil conservation).

Water Resources (Dams, rainwater harvesting).

Draw and label:

Major soil types of India (Map).

Important dams and rivers (Map).

Write 5 differences between conventional vs. Non-conventional energy sources.

Prepare a case study (e.g., success story of rainwater harvesting in Rajasthan).

2. Political Science (Civics)

Topics to Focus:

Power Sharing (Belgium vs. Sri Lanka).

Federalism (India's federal structure, decentralization)

3. Economics

Topic 1 to Focus:

Development (GDP, HDI, sustainability).

Sectors of the Indian Economy (Primary/Secondary/Tertiary).

Topic 2 (Map & Current Affairs)

1. Map Work: Practice 10 map items (e.g., National Parks, major ports, freedom struggle sites). Also paste in fair notebook.

2. Current Affairs: Read newspapers (e.g., The Hindu, Indian Express) and note 5 important events related to Social Science.

Topic 3 (Project & Models)

1. Project:

Topic: "Impact of Globalization on Indian Economy" (500 words with pictures/data).

2. □ Working Models

1. Rain Water Harvesting (Roll No. 1-15)

2. □ Types of Soil (Roll No. 16-30)

3. □ Types of Farming in India (Roll No. 31 onwards)

Topic - 4 (Special Knowledge task- use of Nitrogen)

Geography – Agriculture &

Environment

Role in Soil Fertility:

Nitrogen is a key nutrient for crops (part of NPK fertilizers).

Mentioned in Geography (Chapter:

Agriculture) while discussing modern farming methods and soil degradation.

Environmental Impact:

Excess nitrogen from fertilizers causes water pollution (eutrophication).

Linked to sustainable development

IT

Learn Chapters : DBMS, Digital Documentation

Digital Documentation Project:

Prepare a collage in Ms Word using picture tool, add text, shapes, wordart, page border tools on following topics:

Birthday Card (Roll No. 1-15)

Achievement Certificate (Roll No. 16-30)

Invitation Card (Roll No. 31 onwards)

DBMS Project: Prepare database in Ms Access & take printout as per guidelines:

*In First page enter 5 fields with their data types & apply primary key also

* In second page enter 5 entries data in above fields.

Topics are:

School Management System (Roll No. 1-10)

Hotel Management System (Roll No. 11-20)

Hospital Management System (Roll No. 21-30)

Railway Management System (Roll No. 31-40)

Bank Database Management (Roll No. 41 onwards) and share it on hbw.jwcrtk@gmail.com

PPT: Prepare a ppt on Topic: Benefits of Nitrogen gas.

FCE

- Make three assignments of coding and Decoding.
- Make four assignments on topic alphanumeric decoding
- Make a chart on opposite alphabets
- Make a model on direction chart with degrees

Note: All charts, files, and models will be displayed in the school exhibition, so be creative and neat!