



**NOIDA INTERNATIONAL PUBLIC SCHOOL  
SECTOR-121, NOIDA  
HOLIDAY HOMEWORK (2026-27)  
CLASS XI**

Science helps us understand the world around us through observation, experiments, and logical thinking. It develops curiosity, creativity, and problem-solving skills in students. The aim of this holiday homework is to improve your scientific knowledge and connect science with daily life activities. Complete all the work neatly and creatively.

**PHYSICAL EDUCATION**

**Instructions:**

- \* Do all work in neat handwriting
- \* Use separate notebook/file
- \* Draw diagrams where needed
- \* Submit after summer vacation

**Section A project work**

1. Prepare a project on any ONE topic:
1. Meaning and importance of Physical Education
  2. Olympic Movement
  3. Balanced Diet and Nutrition
  4. Yoga for healthy life

□ Include:

- Introduction
- Explanation
- Diagram/Pictures
- Conclusion

**Section B Activity Work**

2. Make a 10-day Fitness Activity Record

Write daily:

- \* Date
- \* Activity (Walking/Running/Yoga)
- \* Time duration

**HINDI**

- 1- हिन्दी साहित्य का इतिहास लिखिए।

2- हिन्दी गद्य विधाओ का चार्ट तैयार कीजिए।

3- अंतरा- ईदगाह (गद्य)

कबीर दास (काव्य)

4- अंतराल- हुसैन की कहानी अपनी जबानी और कक्षा मे कराये गए समस्त कार्य याद कीजिए।

5- समस्त क्लेशन बैंक, वर्कशीट अपनी उत्तर पुस्तिका में करें।

<b>Computer Science</b>
Instructions: Do all these questions in your notebook
Write all the answers in your notebook.
1.How the specific purpose software useful for life? Explain with example
2. What is computer hardware? Give any two examples
3.What is the function of CPU in a computer? What are its subunit
4. Briefly explain utility software and its type.
Ques5.Explain the basic architecture of a computer.
Ques5. What is the function memory? What are its measuring units?
Ques6.What is the work of system software? Explain function of its type
Ques7. What is the meaning of the term volatile primary memory? Explain briefly.
Ques8.What do you understand by flash memory? What is cache memory?

### **Information Technology**

Ques1. Write down the seven factors affecting perspectives in in communication.

Ques2. Mention the 7C's of effective communication.

Ques3.How can we speak confidently in public using 3Ps method.

Ques4. What are the elements of communication? Also draw a communication cycle showing all the elements of communication

Ques5.What is verbal communication? Differentiate between verbal and non- verbal communication . Write their advantages & disadvantages.

### **PHYSICS**

1. Complete your lab manual work of Physics.

2. Prepare an investigatory project report on your selected topic. You may choose any one of the following suggested topics for the investigatory project:

(a) Factors Affecting the Time Period of a Simple Pendulum

- (b) Study of Rolling Friction on an Inclined Plane
  - (c) Verification of the Law of Conservation of Linear Momentum
  - (d) Verification of Hooke's Law Using Springs
  - (e) Factors Affecting Surface Tension of Liquids
  - (f) Study of Viscosity Using Stokes' Law
  - (g) Verification of Newton's Law of Cooling
  - (h) Study of Frequency and Tension Using a Sonometer
3. Complete the question bank provided on the ERP in a separate notebook.
  4. Prepare the syllabus for Unit Test 1 .

### **CHEMISTRY**

1. Do investigatory project on the selected topics.
  - a) investigation of the foaming capacity of the different washing soaps and effect of addition of sodium carbonate on it.
  - b) Study the acidity of different samples of tea leaves.
  - c) Study of the methods of purification of water.
  - d) Study of acidity of fruit and vegetable juices.
2. Complete the lab manual work.
3. Do 30 nomenclature question
4. Practice UT -1 syllabus

### **BIOLOGY**

5. 1. Collect data and make first draft of investigatory project on the topic selected by you for example – Plant kingdom, Animal Kingdom, Morphology, Blood and circulatory system etc.
6. 2. Make ppt for the project
7. 3. Make hanging charts(2 students 1 chart)
8. 4. Complete first ten practicals in your lab manual

### **MATHEMATICS**

- 1 - Make a project file:\*
- A) DeMorgan's law with diagram and for 3 set and verify the relation .
  - C) Compliment of two set with digram and verify the relation.
- 2 - Make a formula handbook\* chapterwise for all chapters.
  3. Complete the question bank\* provided on the ERP in notebook.
  4. Complete your Lab manual work.\*

## **ENGLISH**

Make project on one of the topic given below:-

1. National Education Policy 2021 - views of common people on new education policy.
2. Health awareness
3. Impact of social media on youth
4. Digital literacy need of the present scenarios
5. Cyber crime and cyber law
6. Music as a therapy
7. Pros and cons of e-learning
8. Internship - a need for teens

1. English project should be neatly submitted in A4 size sheets.
2. It should have acknowledgement, certificates, index of content with page numbers, introduction of the topics, research analysis, interview questionnaire or survey, Bibliography along with author's name year of Publication titles, etc.
3. Do the worksheets given on ERP .
4. Revise the syllabus of UT -1

## **Home Science**

- 1) Prepare 4 handkerchiefs using different hand sewing stitches:
  - A) Basting Stitch (Kaccha Tanka)
  - B) Blind Stitch (Chor Silai)
  - C) Hemming Stitch (Turpai)
  - D) Back Stitch (Bakhiya)
- 2) Prepare a file with 2 practicals.

Project work:-

- A). Make a clothing file and paste pictures of traditional clothes like saree, lehenga, etc.

OR

- B) Write about different types of fabrics such as nylon, cotton, wool, etc.
- C) Make one poster to spread awareness about a government scheme, for example:  
Beti Bachao Beti Padhao
- D) Make a colour wheel chart and describe primary and secondary colours.