

# BETHANY CONVENT SCHOOL, NAINI PRAYAGRAJ

## HOLIDAY HOMEWORK XI-SCIENCE (2026-2027)

SUBJECT	TOPIC
<b>ENGLISH</b>	English Project File 1. William Shakespeare 2. The book I liked the most 3. My favourite cricketer 4. Any Good Movie 5. Life of APJ Abdul Kalam
<b>Biology</b>	1. Collect different type of leaves (minimum 20) make herbarium file in herbarium sheet Also write its scientific name, common name, collection date, place. 2. Write 10 example for each category with scientific name and common name :- Fruits name Pulses name Birds name Mammals name Reptiles name Ornamentals plants Gymnosperm name Eatable fresh water fishes Eatable marine water fishes Aquarium fishes 3. Learn all the phases of cell cycle and types of cell division 4. Revise mode of nutrition, habitat, reproduction, structure, life cycle for each kingdom.
<b>Hindi</b>	प्रश्न )निम्नलिखित विषयों पर लगभग 200 शब्दों में परियोजना कार्य तैयार कीजिए। 1) प्रेम सत्य ,शिव और सुन्दर है। 2) ग्रामीण बनाम शहरी भारत।
<b>IP &amp; AI</b>	<b>Write the following programs in your lab manual.</b> 1. Program to display your introduction. 2. Program to find sum and average of three numbers. 3. Program to check whether a number is even or odd. 4. Program to find largest among three numbers. 5. Program to calculate simple interest. 6. Program to perform Arithmetic Operations 7. Program to find whether the triangle is scalene, isosceles or equilateral. 8. Program to find whether the alphabet is a vowel, consonants or not a letter
<b>Chemistry</b>	Solve 20 questions (based on ncert pattern ) of each topic given below: 1. Calculation of empirical and molecular formula 2. Identify the limiting and excess reagent 3. Stoichiometry of chemical reaction 4. Mole concept in solution(Molarity, Molality, Normality, Mole fraction) 5. Questions based on Atomic number, mass Number, Isolelectronic species. 6. Planck Quantum Theory, Rydberg formula, De-broglie wavelength

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	7. Heisenberg's Uncertainty Principle
<b>Painting</b>	<p>Assignment: Nature and Object Study (Still Life)</p> <p>Create five still-life compositions in pencil, focusing on light and shade from a fixed point of view.</p> <p>Natural Forms: Incorporate elements such as flowers, plants, vegetables, and fruits.</p> <p>Geometrical Objects: Integrate forms like cubes, cones, prisms, cylinders, and spheres.</p> <p>Focus: Demonstrate tonal values and depth using a consistent light source</p>
<b>PHYSICS</b>	<p>Do questions based on following topics:</p> <ol style="list-style-type: none"> <li>1. Units of measurement</li> <li>2. SI units</li> <li>3. fundamental and derived units. significant figures.</li> <li>4. Dimensions of physical quantities dimensional analysis</li> <li>5. Elementary concepts of differentiation and integration</li> <li>6. Vector analysis</li> <li>7. Kinematics</li> </ol>
<b>PE</b>	<p>*Class 11 Physical Education Homework Chapters 1 &amp; 2*</p> <p>*Chapter 1: Changing Trends &amp; Career in Physical Education*</p> <p>*Very Short Answer* Questions</p> <p>What is physical education?</p> <p>Define wellness.</p> <p>What is a career in physical education?</p> <p>Name any two career options in physical education.</p> <p>What is Khelo India?</p> <p>*Short Answer* Questions</p> <p>Explain the meaning and importance of physical education.</p> <p>Describe the objectives of physical education.</p> <p>Write about different career opportunities in physical education.</p> <p>Explain the role of physical education in modern society.</p> <p>What are the changing trends in physical education?</p> <p>*Long Answer Questions*</p> <p>Discuss various career options available in physical education after Class 12.</p> <p>Explain the importance of yoga, sports, and wellness in physical education.</p> <p>Describe the qualities required for a successful physical education professional.</p> <p>*Chapter 2: Olympism*</p> <p>*Very Short Answer Questions*</p> <p>Who is known as the father of modern Olympics?</p> <p>What is Olympism?</p> <p>What are Olympic values?</p> <p>What is the motto of the Olympics?</p> <p>Name the headquarters of the IOC.</p> <p>*Short Answer Questions*</p> <p>Explain the objectives of Olympism.</p> <p>Write about the symbols of the Olympic movement.</p> <p>What is the significance of the Olympic flag?</p> <p>Explain the role of India in the Olympic movement.</p> <p>Write short notes on Olympic values.</p>

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	<p>*Long Answer Questions*</p> <p>Describe the history and development of the modern Olympic Games.</p> <p>Explain the structure and functions of the International Olympic Committee (IOC).</p> <p>Discuss India's participation and achievements in the Olympics.</p> <p>Activity Work</p> <p>Prepare a chart on career opportunities in physical education.</p> <p>Make a project on the history of the Olympic Games.</p> <p>Write five benefits of physical education in daily life.</p> <p>Collect pictures of Olympic symbols and explain them.</p> <p>Note: Complete all questions in your notebook with neat handwriting.</p>
<b>YOGA</b>	<p>project work (Surya namaskar)</p> <p>*Introduction</p> <p>*the 12 step (the sequence )</p> <p>*benefits of practice</p> <p>*safety tips conclusion</p> <p>*write the ashtang yoga</p> <p>*YOGA development</p> <p><b>*definition</b></p> <p>*Aims</p> <p>*objective</p> <p>*misconceptions</p>
<b>Maths</b>	<p><b>A. Complete the following activities in maths file.</b></p> <p>1. To find the number of ways in which three cards can be selected from given five cards.</p> <p>2. To demonstrate that the arithmetic mean of two different positive numbers is always greater than or equal to the geometric mean.</p> <p><b>B. Make a project on "Use of Mathematics in Physics, Chemistry. (use interleave pages)</b></p> <p><b>C. Make an assignment (use interleave pages) on beauty and amazing facts of numbers in maths.</b></p>