



ST. JOSEPH'S SCHOOL, MAHARAJGANJ
Summer Vacation Holiday Homework 2026-27
CLASS 11 MATHEMATICS

SUBJECTS	TOPIC / PORTION
ENGLISH	<p>As part of your summer vacation homework, you are instructed to maintain a daily diary for 30 days. The purpose of this activity is to improve your grammar, writing skills, creativity, and expression in English.</p> <p>Instructions:</p> <ol style="list-style-type: none">1. Each entry should be between 120–150 words.2. Use the following tenses in your writing: Simple Present Tense Simple Past Tense Past Perfect Tense Simple Future Tense (using “would”)3. Prepare a tense chart on chart paper
PHYSICS	<p style="text-align: center;">Task 1: Vector Treasure Hunt</p> <ol style="list-style-type: none">1. What to do: Create a "treasure map" in your house or yard. Take 4 different walks in different directions (e.g., 5 steps North, 3 steps east).2. Physics part: Draw these walks as arrows (vectors) on graph paper using a scale (like 1 cm = 1 step). Draw a final arrow from your start point to your end point to find your total displacement.3. What to turn in: Your graph paper map showing the steps and the final shortcut arrow. <p style="text-align: center;">Task 2: Graphing a Car Ride</p> <ol style="list-style-type: none">1. What to do: Next time you are in a car, note down the speed and total distance from the dashboard every 2 minutes. Get at least 10 readings.2. Physics part: Plot two graphs on graph paper: Distance vs. Time, and Speed vs. Time. Mark where the car was speeding up, slowing down, or moving at a constant speed.3. What to turn in: The two graphs and a short paragraph explaining the ride based on the shapes of your lines.
PHYSICAL EDUCATION	<p>Summer Holiday Homework (Practical-1) *Topic: Khelo India Fitness* Assessment</p> <p>* Instructions to Students</p> <ol style="list-style-type: none">1. Write all the work neatly in your Lab Manual.2. Include proper headings, diagrams (figures), and labeling.3. Maintain clean handwriting and proper presentation.4. Practice all fitness tests daily in the early morning at home.

	<p>**Submission**</p> <ol style="list-style-type: none"> 1. Submit the completed Lab Manual after summer vacation. 2. Marks will be awarded based on: <ul style="list-style-type: none"> Neatness Diagrams Completeness Practical performance
<p>MATHEMATICS</p>	<p>Task 1: Sets and Venn Diagrams of Your Home</p> <ol style="list-style-type: none"> 1. What to do: Create three different lists (Sets) of 10 items found in your house. For example: Set A = Electronic items, Set B = Items made of plastic, Set C = Items located in your bedroom. 2. Math part: Find the common items between these groups. Calculate the intersections and unions (e.g., items that are both plastic and electronic). Draw a large, colorful three-circle Venn Diagram to represent your data. 3. What to turn in: The lists of items and your final Venn Diagram on a sheet of paper. <p>Task 2: Graphing Money Growth (Relations & Functions)</p> <ol style="list-style-type: none"> 1. What to do: Imagine you get a summer job or an allowance. Compare two fictional payment plans over 15 days: Plan A pays you a flat \$10 every day. Plan B pays you just \$1 on day one, but doubles the amount every day (\$1, \$2, \$4, \$8...). 2. Math part: Create a data table for both plans for days 1 to 15. Plot both plans on a single graph paper (Day on the X-axis, Money earned on the Y-axis) to see how a linear function compares to an exponential function. 3. What to turn in: Your data table, the graph, and a brief note on which plan makes you richer by day 15. <p>Task3: Complete the lab manual Activity 2 and 3 on your lab manual notebook.</p>
<p>CHEMISTRY</p>	<p>Q1. Learn and write the electronic configuration of elements from atomic number (Z) 1 to 30.</p> <p>Q2. Write experiment number 1 in lab manual.</p> <p>Q3. Learn and write law of chemical combination.</p> <p>Q4. Prepare a 3-D model of atom.</p>