



SWAMI VIVEKANAND PUBLIC SCHOOL

Affiliated to C.B.S.E New Delhi

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Dear Parents,

Kindly note the following

1. Summer vacation for class 9th to 12th will be from 1st June up till 30th of June 2026.

School will be re-open on 1st of July 2026.

2. Holiday homework is given below, please help your ward to complete their Homework.

Note: Submit your wards June month fee during vacation. School Office will remain open office timing will be 9:00 am to 11:00 am.

SUMMER HOLIDAY HOME WORK 2026-27

CLASS-11th SCIENCE

Physics	<p>Part A: Units & Measurements</p> <ol style="list-style-type: none"> Write all SI base units and derived units in a table with symbols. Prepare a list of physical quantities and their dimensional formulas (at least 10 examples). Learn and write rules of significant figures with examples. Measure any 5 objects at home (length, breadth, etc.) using a scale and record values with units. 	
	<p>Part B: Motion in a Straight Line</p> <ol style="list-style-type: none"> Write definitions with examples: Distance and Displacement Speed and Velocity Acceleration Draw neat graphs: Distance–Time Graph (Uniform Motion) Velocity–Time Graph (Uniform Acceleration) Write and learn the three equations of motion with their meanings. Solve at least 5 numerical problems based on equations of motion. Observe motion of objects around you (like a fan, vehicle, ball) and write whether the motion is uniform or non-uniform, with reason. Write a short note on rest and motion with reference frame. 	
Maths	<ol style="list-style-type: none"> Do all question of ex 2.2 and ex 2.3 with example. Write and learn all the identity of ch-3 (Trigonometry) 	
Chem	<p>Instructions for Students (To be followed strictly)</p> <p><i>Project Duration: Complete the project within 3–4 weeks. Submit by 1 July - 2026.</i></p> <p><i>Project Report Format (Compulsory - Minimum 15–20 pages)</i></p> <p><i>Cover Page (Project Title, Your Name, Class, Roll No., School Name) Certificate (from teacher)</i></p> <ul style="list-style-type: none"> *Acknowledgement* *Index* *Aim / Objective of the project* *Introduction (Background & importance of the topic)* *Theory (Relevant chemical concepts from Class 11 syllabus)* *Materials / Apparatus Required* *Procedure (Step-by-step method in past tense)* *Observations (Tables, diagrams, photographs of experiments)* *Results & Calculations (If any)* *Conclusion* *Precautions & Limitations* *Bibliography / References (Books, websites)* 	

	<p>1- *Abhinav* - Checking the bacterial contamination in drinking water by testing sulphide io</p> <p>2.*Adarsh* - Study of the methods of purification of water.</p> <p>3. *Akshat* - Testing the hardness, presence of Iron, Fluoride, Chloride, etc. in local drinking water and study of causes if above permissible limit</p> <p>4. *Akshat Kathait* - Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it.</p> <p>5. *Anya* - Study the acidity of different samples of tea leaves.</p> <p>6. *Akshita Pal* - Determination of the rate of evaporation of different liquids</p> <p>7. *Aryan* - Study of the presence of oxalate ions in guava fruit at different stages of ripening.</p> <p>8. *Astha Nautiyal* - Study of quantity of casein present in different samples of milk.</p> <p>9. *Dheeraj Rawat*- Preparation of soybean milk and its comparison with natural milk (curd formation, effect of temperature)</p> <p>10. *Dhruv*- Study of the effect of Potassium Bisulphate as food preservative under various conditions</p> <p>11. *Divyanshu*- Study of digestion of starch by salivary amylase and the effect of pH and temperature on it</p> <p>12. *Esha Bisht*- Comparison of the effectiveness of different natural indicators (e.g., turmeric, red cabbage, hibiscus)</p> <p>13.*Harsh*- Study of the effect of acids and bases on the tensile strength of different fibers.</p> <p>14. *Lucky Rawat*- Analysis of the caffeine content in different samples of tea.</p> <p>15. *Manvi Thapa*- Study of food adulteration in common food items (milk, ghee, turmeric, etc.)</p> <p>16. *Priyanshu*-Investigation of the presence of nitrates/nitrites in different vegetables/fruits.</p> <p>17. *Rudransh Mangain*- Study of the rate of rusting of iron in different media (air, water, Salt, water)</p> <p>18. *Shrishti Chauhan*- Comparative study of the cleansing action of different detergents.</p>	
Biology	<p>1.Choose any 3 chapters and prepare:</p> <p>➡ <input type="checkbox"/> Detailed notes</p> <p>➡ <input type="checkbox"/> Mind maps</p> <p>➡ <input type="checkbox"/> NCERT-based diagrams</p> <p>➡ <input type="checkbox"/> 20 MCQs per chapter</p> <p>➡ <input type="checkbox"/> 5 HOTS questions (Higher Order Thinking Skills)</p>	
	<p>2.Prepare comparison charts on topics like:</p> <p>➡ <input type="checkbox"/> Prokaryotic vs Eukaryotic cells</p> <p>➡ <input type="checkbox"/> Plant cell vs Animal cell</p> <p>➡ <input type="checkbox"/> Monera vs Protista</p> <p>➡ <input type="checkbox"/> Bryophytes vs Pteridophytes</p>	
Eng	<p>Make project on given poet and poetry</p> <p>a. Laburnum top</p> <p>b. The voice of rain</p> <p>c. The photograph</p>	
Hindi	<p>1. संचार विषय में एक सुन्दर परियोजना बनाइए।</p>	
	<p>2. हिन्दी गद्य पाठ 1,2, से प्रश्न उत्तर याद करे</p>	



CLASS 11 – COMPUTER SCIENCE SUMMER VACATION PRACTICAL FILE WORK



Students are instructed to prepare a Computer Science Practical File neatly on A4 sheets or in a practical notebook.

WRITE AND PERFORM THE FOLLOWING PROGRAMS IN PYTHON:

1.	Program to print your introduction.
2.	Program to find sum of two numbers.
3.	Program to find area of rectangle and circle.
4.	Program to swap two numbers.
5.	Program to check whether a number is even or odd.
6.	Program to find greatest among three numbers.
7.	Program to display multiplication table of a number.
8.	Program to find factorial of a number.
9.	Program to check whether a year is leap year or not.
10.	Program to print Fibonacci series.
11.	Program using for loop.
12.	Program using while loop.
13.	Program to create and call a function.
14.	Program using default arguments in function.
15.	Program to find largest number in a list.

FILE INSTRUCTIONS:



Write the following for each program:
ALGORITHM, FLOWCHART, PROGRAM, OUTPUT



Maintain neatness and proper headings.



Practical file submission date will be announced after vacation.