

SAINIK SCHOOL KAZHAKOOTAM

VACATION ASSIGNMENT - WINTER VACATION 2025

CLASS:VII

SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	1. Make a personal theme based kite 2. Visit a heritage site/your grand parents house/ your Village and do something interesting with friends you have there, send the photographs to the teacher's WhatsApp number. 3. A personalised christmas gift for your selected christmas friend(nothing bought, it has to be something made by you.)
2	HINDI LOWER	स्क्रेप बुक — छत्तीसगढ़ एवं केरल की वेशभूषा और वाद्य यंत्र (20 पेज)
3	HINDI HIGHER	1 गिनती एक से सौ तक 2 बीस मुहावरे और उनका अर्थ 3 अनुच्छेद लेखन(paragraph writing)a परोपकार b बेरोजगारी की समस्या c विद्यार्थी और अनुशासन
4	MALAYALAM LOWER	Create a cartoon story
5	MALAYALAM HIGHER	Make a picture story.
6	MATHS	Another peek beyond the point - multiplication and division of decimals and problems
7	SCIENCE	Activity 1 :Exploring Substances: Acidic,Basic, and Neutral a) Prepare turmeric paper,Chinarose and red rose indicators at home (Refer Unit 2). b) Test three household substances (like soap water, lemon juice, vinegar) using turmeric paper.Chinarose and red rose indicators and note the results. c) Draw one picture using acidic/basic substances and colour it using the fact that " Indicator change their clour in acidic/basic solutions. Activity 2 :Make a working model to demonstrate the mechanism of breathing. (Refer Activity 9.2: Let us make a model. Pg no. 130) Activity 3: Prepare either a Periscope, a kaleidoscope or a pinhole camera and submit a detailed report on the model you have made
8	SOCIAL SCIENCE	Record the temperature of your area for 10 consecutive days during your vacation. Find the average temperature for the 10 days. Identify the maximum and minimum temperatures recorded. Construct a table showing the daily temperatures, the range of temperatures, and the mean daily temperature.

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CLASS:VIII		
SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	Create illustrations for 15 idioms and write down the meaning of each.
2	HINDI LOWER	पेज स्क्रेपबुक : केरल एवं छत्तीसगढ़ के प्रमुख त्योहार 10 pages
3	HINDI HIGHER	सुगम परीक्षा पुस्तिका कक्षा 8 के सारे प्रश्नों के उत्तर लिखिए
4	MALAYALAM LOWER	Create a portrait of any famous personality and write a paragraph about them.
5	MALAYALAM HIGHER	Make a project on V sambasivsan.
6	MATHS	Vacation Assignment Class 8: Activity1. Chapter: A Story of Numbers All figure it out questions to be written in A4 size paper neatly. Activity2. Chapter: Proportion, Survey of same item of different quantity and its cost.
7	SCIENCE	ACTIVITY -1 Find out the following details about 4 elements as per the list given in the class, Name:, Symbol Symbol Derived from ? (Normal name/country /place name /scientist name) Discovered by: Year of discovery : Radio active or not : Metal/non metal/mettalloid : Presence in our body : one compound name if any : ACTIVITY - 2 -Earth Survival Kit Design an 'Earth Survival Kit'. Imagine you're building a tiny model of Earth for another planet. What must it have to support life, and why? Explain your idea with the help of a working model. ACTIVITY -3 Prepare a handwritten project on Cyclones in India : causes, effects and case study & Do's and Don'ts . OR Make a cyclone- resistant house
8	SOCIAL SCIENCE	Election History of Your Local Body / Village Panchayat * Major political parties in your panchayat. * Details about the last election (When? Result?). * Development plans, projects, and activities of your panchayat.
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CLASS:IX		
SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	Modelled on Vikram Seth's chapter, write a travelogue with your own observations and experiences of a place that you have visited. Take print outs and paste some photos from your visit too.
2	HINDI	1. केरल और छत्तीसगढ़ के लोक-संगीत एवं संगीतकार (20 pages) 2. Solve the 5 Model question papers shared in whatsapp group.
3	MALAYALAM	Visit a nearby historical place or art centre and document it with a vlog or pictures.
4	MATHS	It is requested that the question paper for the upcoming examination be prepared strictly in accordance with the approved blueprint provided. The paper should ensure an appropriate balance of difficulty levels, learning outcomes, and question types as specified in the blueprint. Further, a detailed marking scheme may also be prepared, clearly indicating marks allotted for each question, key points expected in the answers, and guidelines for awarding partial credit wherever applicable. Both the question paper and marking scheme should be neatly formatted, error-free, and submitted on 03/01/2026
5	SCIENCE	1.Chemistry -Art Integrated Project on any topic from class IX chemistry syllabus. 2.Visit an agricultural field or a cattle /poultry / fish / beekeeping farm and interview the farmer. 3.Make a working model showing conversion of energy (eg: Windmill or waterwheel) OR Different forms of energy with diagrams and real life examples and role of renewable energy in India's future
6	SOCIAL SCIENCE	1. Inter disciplinary activity: Sustainable Forest Management-Learning from colonial mistakes. 2. Project: A Case Study on a Recently Occurred Disaster in India
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CLASS:X		
SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	New CBSE pattern Sample Question paper workout.(3 QPs)
2	HINDI	Art integrated project केरल और छत्तीसगढ़ के बीच एक तुलनात्मक अध्ययन
3	MALAYALAM	A comparative study of festivals of Chhattisgarh and Kerala.
4	MATHS	printed sample question paper .
5	SCIENCE	1. MCQs Of Physics, Making Collage of Examples of refraction and scattering. 2.Make ball and stick model of one organic compound as part of art integrated project using the available resources at home, do not use any plastic items 3.Draw chapterwise concept maps / flow charts for Life Processes, Control and Coordination, How do organisms Reproduce ,Heredity and Our Environment.
6	SOCIAL SCIENCE	1. PROJECT ON CONSUMER RIGHTS: CONSUMER PROTECTION AND HOW CONSUMERS ARE BIENG EXPLOITED IN MARKET PLACE? 2. Inter disciplinary Activity: Transport Infrastructure as a Backbone of Globalisation in India Format: Group Task (PPT)
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<u>VACATION ASSIGNMENT - WINTER VACATION 2025</u>		
CLASS:XI		
SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	<p>Group Project: Theme Dramatization and Short Movie Production Each section of Class 11 is divided into two groups.</p> <ul style="list-style-type: none"> • Each group is assigned a specific theme or chapter from the relevant subject syllabus to be dramatized. • The group must produce a short film (5-8 minutes) based on a script they collaboratively develop. • Groups should work together to interpret the assigned theme/chapter, write a coherent script, rehearse, and record a compelling dramatic presentation. <p>Individual Task: Verbal and Non-Verbal Artistic Expression Every cadet has been given an individual assignment focusing on a specific theme, topic, event, or character.</p> <ul style="list-style-type: none"> • Cadets must prepare a verbal or non-verbal artistic expression of the assigned element. • The specific mode of artistic expression has been assigned to each cadet.
2	MATHS	Miscellaneous exercises from chapters 8,9,10,11 and 12
3	PHYSICS	Completion of Physics Practical Fair Record.
4	CHEMISTRY	Resonance and resonance effect : acetate ion, benzene, phenol and nitrobenzene(art integration)
5	BIOLOGY	1. Assignment Chapters - Neural coordination Chemical coordination and integration 2. Practical - Fair record completion, 3. Investigatory project submission

6	COMPUTER SCIENCE	<p>1 Write a program to perform addition, subtraction, multiplication, and division on two input numbers and display the results with proper formatting.- Arithmetic Calculator</p> <p>2 Write a program to calculate and display the area and perimeter of a circle. The radius should be input by the user, and the result should be rounded to two decimal places. – Area and Perimeter of a Circle</p> <p>3 Write a program to swap two variables without using a temporary variable, and verify the swap by displaying the values before and after swapping. – Swapping of Two Numbers</p> <p>4 Write a program that converts a given temperature from Celsius to Fahrenheit and Fahrenheit to Celsius using the respective formula. – Temperature Conversion</p> <p>5 Write a program to calculate the roots of a quadratic equation ax^2+bx+c using the quadratic formula. Handle imaginary roots appropriately. - Roots of a Quadratic Equation</p> <p>6 Write a Python program to compute the sum of the first 'n' natural numbers where n is entered by the user.</p> <p>7 Write a program to generate the first 'n' terms of the Fibonacci sequence, where 'n' is input by the user.</p> <p>8 Write a program to compute the factorial of a given number using both iterative and recursive approaches.</p> <p>9 Write a Python program to check whether a given number is a prime number.</p> <p>10 Write a program to perform various operations (append, insert, delete, and sort) on a list of integers entered by the user.- List Operations</p> <p>11 Write a program to check whether a given string is a palindrome, ignoring spaces and case sensitivity.</p> <p>12 Write a program to count the number of vowels, alphabets, digits and special symbols in a given sentence entered by the user.</p> <p>13 Write a program to reverse a given string without using built-in reverse functions.</p> <p>14 Write a program to check whether a given number is an Armstrong number. (Sum of Cubes of digits is same as number).</p> <p>15 Write a Python program to find the second largest number in a list without</p>
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SAINIK SCHOOL KAZHAKOOTAM**VACATION ASSIGNMENT - WINTER VACATION 2025****CLASS : XII**

SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	Read all the chapters in the syllabus thoroughly.
2	MATHS	30 set of Model question papers, out of which 10 are to be done for compulsory and others to refer, ans key of these to refer also given.
3	PHYSICS	MCQs Of All Chapters, Sample QP and Project of Physics
4	CHEMISTRY	Class XII chemistry Investigatory Project Submission on 03-Jan-2026
5	BIOLOGY	1. Assignments - Unit - Biology in human welfare, Unit - Biotechnology and it's applications 2. Fair Record completion 3. Investigatory project submission
6	COMPUTER SCIENCE	Class XII CS Project needs to be complted and submit the Project report on 03 Jan 2025.
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