

**SAINIK SCHOOL KAZHAKOOTAM****VACATION ASSIGNMENT****CLASS:VII**

	<b>SNO</b>	<b>SUBJECT</b>	<b>TOPIC/ACTIVITY</b>
	1	ENGLISH	Renarrate any movie that you have watched in the form of a cartoon stripe/anime .
	2	HINDI LOWER	Answer the previous year sugama exam paper..Alphabetical dictionary
	3	HINDI HIGHER	1 निबंध लेखन : (a) प्लास्टिक की दुनिया (bn) राष्ट्रीय त्योहार
	4	MALAYALAM LOWER	Make an Album of Malayalam Rhymes(at least 2) and by heart one of them for Presentation Ref 1: <a href="https://youtu.be/UMV-v-ymuiM?si=lvHUxxiw8i72U32g">https://youtu.be/UMV-v-ymuiM?si=lvHUxxiw8i72U32g</a> Ref 2: <a href="https://youtu.be/7rwatF4AVwM?si=8HE2Aiygn_K3gg8m">https://youtu.be/7rwatF4AVwM?si=8HE2Aiygn_K3gg8m</a>
	5	MALAYALAM HIGHER	Make a small dictionary( 100 malayalam words and meaninings )
	6	MATHS	Write the answers of all three Excercise questions from the chapter 'Integers' in the class VII textbook
	7	SCIENCE	Explore the impact of lifestyle on health.
	8	SOCIAL SCIENCE	Assignment:Architecture in Medieval India

**SAINIK SCHOOL KAZHAKOOTAM****VACATION ASSIGNMENT****CLASS:VIII**

<b>SNO</b>	<b>SUBJECT</b>	<b>TOPIC/ACTIVITY</b>
1	ENGLISH	Write a 7-day diary entry from the point of view of a pet- real or imaginary (like a dragon, alien, robot dog). Make it humorous or adventurous!
2	HINDI LOWER	Alphabetical dictionary of 10 words each
3	HINDI HIGHER	(a) 25 मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए।(b) अनुच्छेद लेखन: 1 स्वच्छ भारत अभियान 2 राष्ट्रनिर्माण में युवाओं का महत्त्व
4	MALAYALAM LOWER	Prepare Descriptions about the given topics i) Yourself ii) Flower iii) water
5	MALAYALAM HIGHER	Prepare a Biography about the Famous Malayalam Writer 'AMBIKASUTHAN
6	MATHS	Prepare an assignment on Number System. Rational Numbers and Properties of
7	SCIENCE	prepare a chart showing different types of forces with applications in real life
8	SOCIAL SCIENCE	Assignment : Identify the ideas adopted from other countries in the Indian Constitution."(In Tabular format)

**SAINIK SCHOOL KAZHAKOOTAM****VACATION ASSIGNMENT****CLASS:IX**

<b>SNO</b>	<b>SUBJECT</b>	<b>TOPIC/ACTIVITY</b>
1	ENGLISH	Work out the first two units of the text 'Words and Expressions 1' with reference to the first two units of 'Beehive'.
2	HINDI	Album of ancient hindi poets...Chart work advertisement.. letter and dairy writing
3	MALAYALAM	Deconstruct the short story 'AMMA' (written by Madhavikkutty) into a Script
4	MATHS	Prepare a short note on number system upto real numbers.Locate squareroot 2 and square root 3 on numberline(3D model)
5	SCIENCE	Explore DNA replication, gene expression and DNA fingerprinting., Identity any two materials used in our day to day life and explore their chemical composition .
6	SOCIAL SCIENCE	1. 3D model of latitudes and longitudes 2. "Identify the various government programs implemented in your locality to eradicate poverty."

## SAINIK SCHOOL KAZHAKOOTAM

### VACATION ASSIGNMENT

CLASS:X

SNO	SUBJECT	TOPIC/ACTIVITY
1	ENGLISH	Work out the first two units of the text 'Words and Expressions 2' with reference to the first two units of 'First Floght'.
2	HINDI	100 मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए। 2 अनुच्छेद लेखन (a) भारत की अंतरिक्ष विजय (b) संघर्ष ही जीवन है। (c) आज का युवा वर्ग
3	MALAYALAM	Collect picture and biography of 10 Malayalam writers and make an album.
4	MATHS	Question paper is given to each cadet.
5	SCIENCE	Physics - Ray diagram image formation by Concave and Convex Mirror. Biology- Explore diseases related to any one of the organ systems in human body.
6	SOCIAL SCIENCE	1. Map Work Book: Prepare a map workbook with 20 political outline maps of India. 2. <b>Design a Development Plan for Your Local Area</b> Assignment: Identify major development issues in your village/town/city (e.g., lack of clean water, unemployment, poor roads). Propose a realistic development plan that balances economic growth, environmental protection, and social equity.

**SAINIK SCHOOL KAZHAKOOTAM****VACATION ASSIGNMENT****CLASS:XI**

<b>SNO</b>	<b>SUBJECT</b>	<b>TOPIC/ACTIVITY</b>
1	ENGLISH	1. Writing stories and essays on the topics already given to each cadet in the class (approx 500 words) 2. Listening to FIRSTPOST by Palki Sharma Upadhyay everyday (youtube).
2	MATHS	Chapter 1 SETS & Chapter 2 RELATIONS and FUNCTIONS
3	PHYSICS	Solve NCERT exercises from class IX Science, Chapter 7- Motion.
4	CHEMISTRY	Mole concept numerical and determination of Empirical Molecular formula
5	BIOLOGY	Assignment from Cell structure and functions - Prokaryotic cell structure, Cell theory, Fluid mosaic model of PM, Structure of ER
6	COMPUTER SCIENCE	Describe how common input devices, like keyboards and mice, and output devices, such as monitors and printers, enable interaction with computers. Additionally, explore how evolving technologies are creating new forms of input and output, and how those new forms of interaction are changing how humans use computers.

**SAINIK SCHOOL KAZHAKOOTAM****VACATION ASSIGNMENT****CLASS : XII**

<b>SNO</b>	<b>SUBJECT</b>	<b>TOPIC/ACTIVITY</b>
<b>1</b>	<b>ENGLISH</b>	1. Listen to the FIRST POST by Palki Sharma Upadhyay every day (youtube). 2. Learn all the words and their meaning in the SYNONYMS section of the Arihant Pathfinder. Be able to use them in your own sentences. (Pages 33 – 39 in the latest edition)
<b>2</b>	<b>MATHS</b>	Last ten years UPSC NDA/NA question paper
<b>3</b>	<b>PHYSICS</b>	Physics Practicals- Writing Rough Record of 8 practicals for AY 2025-26
<b>4</b>	<b>CHEMISTRY</b>	Make an Album of All Name reactions in class XII organic Chemistry
<b>5</b>	<b>BIOLOGY</b>	Assignment from Reproduction in Angiosperms - Anther wall layers, Microsporogenesis, Pollen grain structure, Megasporeogenesis, Structure of megasporangium, Types of pollination, Adaptations in windpollinated flowers
<b>6</b>	<b>COMPUTER SCIENCE</b>	Write python programmes in the following questions: 1. Write a Python program that takes a string as input and counts the number of vowels and consonants in it. 2. Create a list of 10 random integers. Then, convert this list into a tuple. Write a function that finds the maximum and minimum values in the tuple. 3. Create a dictionary that stores the names and roll numbers of 5 students. Write a program to search for a student's roll number using their name as input. 4. Write a Python program that takes a number as input and checks if it's a prime number. 5. Write a python program that takes two inputs from user, and calculates the sine, cosine and tangent value of the first input, and the log base 10 of the second input. 6. Write a python program that takes a string as input, and then prints out the reversed string, and then prints out every other character of the original string.