VISHWA BHARTI PUBLIC SCHOOL, GREATER NOIDA
HALF YEARLY DATESHEET
SESSION: 2025-26
CLASS: XI-A

DATE	DAY	XI
04.09.2025	THURSDAY	PAINTING/HPI/YOGA
08.09.2025	MONDAY	PHYSICAL EDUCATION
10.09.2025	WEDNESDAY	ENGLISH
12.09.2025	FRIDAY	COMPUTER SCIENCE
15.09.2025	MONDAY	CHEMISTRY
18.09.2025	THURSDAY	MATHS/BIOLOGY
20.09.2025	SATURDAY	PSYCHOLOGY
24.09.2025	WEDNESDAY	PHYSICS

S.NO	SUBJECT	SYLLABUS
1	ENGLISH	**Reading Skills:** Discursive and Factual Passage Note Making **Writing and Grammer:** Clauses,Gap filling,Tenses,Poster Making,Advertisement, Debate and Speech Writing Literature: The portrait of the Lady We are not Afraid to Die Discovering Tut-The saga continues Mother's Day The Adventure,The Address,The summer of a beautiful white horse **Poems** The laburnum Top A Photograph The voice of the Rain
2	PHYSICS	Ch.1 Units and Measurements Ch.2 Motion in straight line Ch.3 Motion in plane Ch.4 Laws of motion Ch.5 Work, Energy and Power Ch.6 System of particles and Rotational motion Ch.7 Gravitation
3	CHEMISTRY	Unit-1: Some Basic Concepts of Chemistry. Unit-2: Structure of atom. Unit-3: Classification of Elements & Periodicity in Properties. Unit -4: Chemical Bonding & Molecular Structure. Unit-7: Redox Reactions.

4	**BIOLOGY**	The living world Biological classification Plant kingdom Animal Kingdom Morphology of flowering plants Anatomy of flowering plant Structural organisation in Animals Cell: The unit of life.
5	**MATHEMATICS**	● Chapter 1 Sets ● Chapter 2 Relations and Functions ● Chapter 3 Trigonometric Functions ● Chapter 4 Complex Numbers and Quadratic Equations ● Chapter 5 Linear Inequalities ● Chapter 6 Permutations and Combinations ● Chapter 7 Binomial Theorem ● Chapter 8 Sequences and Series
6	**PSYCHOLOGY**	Chapter -1 What is Psychology? Chapter -2 Method of Enquiry in Psychology Chapter -3 Human Development Chapter -4 Sensory, Attentional and Perceptual Processes
7	**COMPUTER SCIENCE**	**Unit II: Computational Thinking and Programming -I** Introduction to problem-solving: Steps for problem solving (analysing the problem, developing an algorithm, coding, testing, and debugging). representation of algorithms using flow chart and pseudo code, decomposition • Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables, concept of l-value and R-value, use of comments. • Knowledge of data types: number (integer, floating point, complex), Boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in). • Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output Errors: syntax errors, logical errors, runtime errors **Unit II: Computational Thinking and Programming - I** Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control. • Conditional statements: if, if-else, if-elf-else; simple programs: e.g.: absolute value, sort 3 numbers, divisibility. • Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number etc **Unit II: Computational Thinking and Programming - I** Strings: introduction, indexing, string operations (concatenation,

		repetition, membership & slicing), traversing a string using loops, built-in functions: Len(), capitalize(), title(), lower(), upper(), count(), find(), index(), ends with(), starts with(), isalnum(), is alpha(), is digit(), is lower(), is upper(), is space(), strip(), strip(), strip(), replace(), join(), partition(), split(). • Lists: introduction, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: Len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on a list of numbers and counting the frequency of elements in a list **Unit II: Computational Thinking and Programming - I** • Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership, and slicing); built-in functions/methods – Len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple. • Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – Len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), from keys(), copy(), pop(), pop item(), set default(), max(), min(), sorted(); Suggested programs: count the number of times
8	HPI	-Kala, Lay, Sangeet -Biography of Nana Panse -Kudau Singh Gharana of Pakhawaj -Notation of Thah, Dugun, Chaugun and compositions in Teentaal and Jhaptaal. -About Percussion instruments.
9	PHYSICAL EDUCATION	**Unit 1** *Changing Trends & Career in Physical Education* Introduction 1.) Concept, Aims & Objectives of Physical Education 2) Development of Physical Education in India - Post Independence 3) Changing Trends in Sports- playing surface, wearable gears and sports equipment, technological advancements Career Options in Physical Education Khelo-India and Fit-India Program **Unit 2** *Olympism Value Education* Olympism - Concept and Olympics Values (Excellence, Friendship & Respect)

			Olympic Value Education - Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind Ancient and Modern Olympics Olympics - Symbols, Motto, Flag, Oath, and Anthem Olympic Movement Structure - IOC, NOC, IFS, Other members **Unit 3 -Yoga** Meaning & Importance of Yoga Introduction to Ashtanga Yoga Yogic Kriyas (Shat Karma) Pranayama and its types. Active Lifestyle and stress management through Yoga **Unit 4** . *Physical Education & Sports for Children With Special Needs* Concept of Disability and Disorder Types of Disability, its causes & nature (Intellectual disability, Physical disability) Disability Etiquette Aim & Objective of Adaptive Physical Education Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & Special Educator) **Unit 5** *Physical Fitness, Health and Wellness* Meaning and Importance of Wellness, Health and Physical Fitness Components/Dimensions of Wellness, Health and Physical Fitness Traditional Sports & Regional Games for promoting wellness Leadership through Physical Activity and Sports Introduction to First Aid - PRICE
10	**PAINTING**		1.Pre-Historic rock -painting 2.Art of Indus valley 3.Buddhist and Jain and hindu art 4.Temple sculpture
11	**YOGA**		1. Introduction of Yoga and Yogic Practices 2. Introduction of Yoga Texts