



West Point School
(CBSE Affiliated)

Breakup Syllabus for **Class XI**
Subject- English Books – Hornbill, Snapshot

Month	Chap.	Perd.	Topics to be covered	Activity
April	H 1	8	The Portrait of a Lady	Reading
	H 1	8	A Photograph	
	S 1	3	The Summer of a beautiful white horse	
		2	Tense Note Making & Summarising	
May	S 2	6	The Address	Listening & Speaking
		2	Re ordering of sentences Advertisement	
June	H2 S 5	8	We' re not afraid to die	ASL
		6	Mothers Day	
		2	Transformation of sentences	
July	H3	9	Discovering Tut & The Laburnum Top	ASL
		6	Poster Writing	
August	H 4	8	The Voice of the Rain	1 st Unit test
		8	Clauses	
		6	Speech Writing	
September	H 6	6	Childhood	
		2	Debate Writing Unseen passage practice	
October	H 7	5	The adventure	ASL
		5	Integrated Grammar Practice	
November		4	Revision	Half Yearly Exam
December	H 8 S 7	8	Silk Road	Project Work
		8	Birth	
		3	Writing exercise practice	
January	H 8 S 8	8	Father To Son	Project Work
		8	The Tale Of Melon City	
February		9	Revision	2 nd Unit Test
		14		
<i>Syllabus for Annual Examination content taught from April to March</i>				

Subject- Maths Books –NCERT, R D Sharma, R S Agarwal

Subject- Maths Books –NCERT, R D Sharma

Month	Chap.	Perd.	Topics to be covered	Activity
April	1	18 10	Sets and their representation Different types of sets	To find the number of subsets of a given set
May	2	10	Relations and Function	To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq}
June	3	16	Trigonometric Function	To represent set theoretic operations using Venn Diagrams
July	5	8	Complex Numbers	To verify distributive law for

	6	9	Linear Inequalities	three given non empty sets
August	7	10	Permutation & Combination	To identify a relation and a function 1st unit test
	8	5	Binomial Theorem	
	9	9	Sequence and Series	
September		3	Revision	
September	10	6	Straight Line	To distinguish between a relation and function
October	11	17	Conic Sections (Circle, Ellipse, Parabola, Hyperbola)	To verify the relation between the degree measure and the radian measure
November	12	8	Three Dimensional Geometry	To interpret geometrically, the meaning of I and its integral powers Half Yearly Exam
	13	9	Limits and Derivatives	
December	15	18	Statistics	To find the number of ways in which three cards can be selected from given five cards
January	16	22	Probability	To obtain formula for the sum of squares of first n-natural numbers
February			Revision Whole Book	An alternate approach to obtain formula for the sum of squares of first n natural numbers 2nd unit test
<i>Syllabus for Annual Examination content taught from April to March</i>				

Subject- Physics Books –NCERT Physics, Reference -Modern ABC

Month	Chap.	Perd.	Topics to be covered	Practical
April	1		Physical World	Determination of diameter of a small spherical body using vernier callipers
May	2	8	Unit and Measurement	Measurement of diameter of a given wire using screw gauge
		2	Revision Ch 1,2	
June	3	8	Motion in a Straight Line	Determine volume of an irregular lamina
	4	8	Motion in a plane	
July	5	8	Laws of Motion	Determine radius of curvature of a given spherical surface by a spherometer
	6	9	Work, Energy and Power	
		8	Revision (Ch 3,,5,6)	
August	7	9	System of Particles and Rotational Motion	Determine Young's modulus of elasticity 1st Unit Test
	8	9	Gravitation	
		6	Revision (CH 7,8)	
September	9	6	Mechanical properties of Solid	Hooks law experiment
October	10	9	Mechanical properties of fluid	Sonometer Experiment
	11	8	Thermal properties of matter	
November	November 23	8	Thermodynamics	Sonometer experiment Half Yearly Exam
		10	Kinetic Theory Revision (Ch- 9,10,11,12)	
December	14	5	Oscillation	Resonance tube experiment
	15	5	Waves	
		8	Revision (Ch -13,14,15)	
January	14		Waves and Oscillations	Resonance tube experiment

	15			
February			Revision	2nd Unit Test
<i>Syllabus for Annual Examination content taught from April to March</i>				

Subject- Chemistry Books –NCERT Chemistry, Reference -Modern ABC

Month	Chap.	Perd.	Topics to be covered	Practical
April	1		Some Basic Concepts of Chemistry	
May			Some Basic Concepts of Chemistry Structure of Atom	Identification of Apparatus and their functions
June	3		Structure of Atom	Preparation of NaOH solution
July	3 4		Classification of Elements and Periodicity in properties Chemical Bonding & Molecular Structure	Titration
August	6 4		Thermodynamics Chemical Bonding & Molecular Structure	Preparation of HCl solution 1st unit Test
September	6		Thermodynamics Revision	Titration
October	8		Redox Reaction	Preparation of Oxalic acid solution
November	7		Equilibrium	Titration Half Yearly Exam
<i>Half yearly exam</i>				
December	12		Organic Chemistry – Some Basic Principles and Techniques	Identification of acid radicals
January	13		Organic Chemistry – Some Basic Principles and Techniques Hydrocarbons	Identification of basic radicals
February			Hydrocarbons Revision	Practice 2nd Unit Test
<i>Syllabus for Annual Examination content taught from April to March</i>				

Subject- Biology Books –NCERT Biology, Reference -Modern ABC

Month	Chap.	Perd.	Topics to be covered	Practical
April	1 2	7 5	The Living World Biological Classification	Study about flowering plants
May	2 5	6 4	Plant Kingdom Animal Kingdom	T.S. of Dicot and Monocot Stem and root
June	5 6 8	6 8 2	Morphology of flowering plants Anatomy of flowering plants Structural Organisation in Animal	Osmosis Plasmolysis
July	8 9	4 4	Cell the Unit of Life Biomolecules	Stomatal distribution Rate of Transpiration
August	10 13	3 4	Cell Cycle and Cell Division Photosynthesis in Higher Plants	Test for Sugar, starch, fat, protein Plant pigment through paper chromatography 1st Unit Test
September	13	4	Photosynthesis in Higher Plants	
October	14 15	4 5	Respiration in Plants Plant Growth and Development	Respiration in flower bud tissue and germinating seeds
November	17	4	Breathing and Exchange of gases	Parts of compound microscope

	18	4	Body fluids and circulation	Speciman and indetification with reason of plant Half Yearly Exam
December	19	5	Photosynthesis in Higher Plants	Parts of compound microscope Speciman and indetification with reason of animal.
January	19 20	5 4	Excretory Product and their elimination Locomotion and movement	Mitosis
February	21 22	4 4	Neural control and co-ordination Chemical co-ordination and integration	Inflorescence, Human skeleton 2nd Unit Test
<i>Syllabus for Annual Examination content taught from April to March</i>				

Subject- Computer Sci. (XI)

Reference Books – COMPUTER SCIENCE WITH PYTHON

Month	Working Days	Topics to be covered	Activity
April	17	Computer Systems and Organization <ul style="list-style-type: none"> Basic computer organization: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB) Types of software: System software (Operating systems, system utilities, device drivers),programming tools and language translators (assembler, compiler, and interpreter),application software 	Practical on Types of software Operating systems, system utilities, device drivers)
May	15	<ul style="list-style-type: none"> Operating System(OS): functions of the operating system, OS user interface Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan’s laws, Logic circuits Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) 	
June	15	<ul style="list-style-type: none"> Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32) 	
July	25	Computational Thinking and Programming - I <ul style="list-style-type: none"> Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudo code, decomposition Familiarization with the basics of Python programming 	Practical on python
August	26	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. <ul style="list-style-type: none"> Operators: arithmetic operators, relational operators, logical 	Practical on ,Expressions, statement 1st Unit Test

		operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in) ● Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.	
September	10	● Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.	Practical on if, if-else, if-elif-else
September	7	● Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.	Practical on for loop, while loop
October	15	Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods—len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(), rstrip(), strip(), replace(), join(), partition(), split()	Practical on string operations
November	21	Lists: introduction, indexing, list operations Tuples: introduction, indexing, tuple operations	Practical on Lists, Tuples Half Yearly Exam
December	20	Dictionary: introduction, accessing items in a dictionary using keys, Introduction to Python modules:	Practical on Python modules:
January	22	Society, Law and Ethics	
February	23	Digital Footprints Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes	Practical on Digital Footprints 2nd Unit Test

Subject Physical Education

Books Essentials of physical education.

Name of the Month	Chapter	Period	Topics to be covered and activity	Practical
April	1	15	Management of sporting events	SAI khelo India test practice
May	5	12	Children & women in sports	SAI khelo India test practice
June	3	12	Yoga as preventive measure for lifestyle disease.	BPFT practice
July	4	13	Physical education & sports for(CWSN)	BPFT practice

August	2	12	Sports & nutrition	Volleyball practice 1st unit test
September	6	13	Test & measurement in sports	Football practice
October	7	13	physiology & injuries in sports	Football practice
November	8	18	Biomechanics & sports	Kho-Kho practice Half Yearly Exam
December	9	12	Psychology and sports	Yogasanas practice
January	9	12	Psychology and sports	Yogasanas practice
February	10	15	Training in sports	2nd Unit Test