

DAV INSTITUTIONS, WEST BENGAL ZONE

SESSION: 2024–2025

MONTH-WISE BIFURCATED SYLLABUS

CLASS: XI

SUBJECT- ENGLISH

MONTH	CHAPTERS TO BE TAUGHT	PROJECT WORK/ PRACTICAL WORK
<p>April 2024 (24 Days)</p>	<p>READING COMPREHENSION: Factual Passages</p> <p>GRAMMAR: Tenses</p> <p>CREATIVE WRITING SKILLS: Short writing task – Poster (50 words)</p> <p>LITERATURE: HORNBILL The Portrait of a Lady (Prose) A Photograph (Poem)</p> <p>SNAPSHOTS: The Summer of the Beautiful White Horse (Prose)</p>	<p>Words Ladder based on the topics taught in the month.</p> <p>For reference use the link: https://www.youtube.com/watch?v=zQ304GM5Xq8</p>
<p>May 2024 (8 Days)</p>	<p>READING COMPREHENSION: Factual & Discursive Passages</p> <p>GRAMMAR: Clauses (practice through interactive assignments)</p> <p>SNAPSHOTS: The Address (Prose)</p>	<p>Students can be encouraged to prepare a PPT on the chapter ‘The Address’ OR An Infographic on the Nazi Holocaust <i>Refer to the image for better understanding:</i></p> <div data-bbox="1089 1272 1511 1780" data-label="Image"> <p>What is an Infographic?</p> <p>BIG PICTURE Present information.</p> <p>SUMMARY Report facts.</p> <p>EXPLORE Investigate a topic.</p> <p>IMAGES SUMMARIZE FACTS</p> <p>Simple icons represent data. 90% IMAGES</p> <p>Graphs and diagrams illustrate information.</p> <p>Maps pinpoint location.</p> <p>WHY USE IT?</p> <p>Attract attention.</p> <p>Engage viewer to think.</p> <p>Makes information clear.</p> <p>Quick way to share facts.</p> <p>DID YOU KNOW THAT...</p> <p>Facts are organized in chunks.</p> <p>ABC Text is used for labels or short descriptions.</p> <p>Numbers emphasize important facts.</p> <p>Images are icons, not photos.</p> </div>

• Teachers may suggest these activities as Holiday Homework also.

<p>June 2024 (15 Days)</p>	<p>READING COMPREHENSION: <i>Case-based passage with verbal/ visual inputs like statistical data, charts etc.</i></p> <p>GRAMMAR: Tenses & Clauses (<i>practice</i>)</p> <p>CREATIVE WRITING SKILLS: Speech Writing (120 -150 words) <i>based on verbal / visual cues related to some contemporary / age-appropriate topic & Practice of Poster (50 words).</i></p> <p>LITERATURE: HORNBILL We're Not Afraid to Die...if We Can All be Together (Prose) The Laburnum Top (Poem)</p> <p>SNAPSHOTS: The Address (Prose) (Recap)</p>	<p>Share a motivational video on the theme- 'I Can Do This'</p>
<p>July 2024 25 Days</p>	<p>READING COMPREHENSION: Note Making and Summarization based on a passage. (200-250 words)</p> <p>GRAMMAR: <i>Practice assignments on Re-ordering / Transformation of Sentences</i></p> <p>CREATIVE WRITING SKILLS: Classified Advertisement: Situation Vacant & Situation Wanted For Sale & Purchase</p> <p>LITERATURE: HORNBILL We're Not Afraid to Die...if We Can All be Together (Prose) <i>(to be completed)</i> The Voice of the Rain (Poem) Discovering Tut: The Saga Continues (Prose)</p>	<p>Prepare a Graphic Novel on the topic- 'Discovering Tut: The Saga Continues'</p> <p>Movie Time: Gravity, The Perfect Storm, A Beautiful Mind.</p>
<p>August 2024 24 Days</p>	<p>READING COMPREHENSION: Revision Assignments on <i>(Factual, Discursive & Literary Passages and Note Making)</i></p> <p>GRAMMAR: <i>Practice assignments on Re-ordering / Transformation of Sentences (Tenses & Clauses)</i></p>	<p>Spell Check / Reading Challenge: Share the gist of the novel the students have recently read.</p>

	<p>CREATIVE WRITING SKILLS: Debate Writing (120 -150 words) <i>based on verbal / visual cues related to some contemporary / age-appropriate topic.</i></p> <p>LITERATURE: HORNBILL Discovering Tut: The Saga Continues (Prose) <i>(to be completed)</i></p> <p>SNAPSHOTS: REVISION</p>	
<p align="center">MID-TERM EXAMINATION (TENTATIVELY BY THE THIRD WEEK OF AUGUST)</p> <p>Syllabus: Reading Skills: Comprehension Passage & Note Making Grammar: Tenses & Clauses and Re- Ordering of sentences Writing Skills: Poster, Classified Advertisements, Speech & Debate Writing Literature: Hornbill: Prose: The Portrait of a Lady, We're Not Afraid to Die.... if We Can All be Together, Discovering Tut: The Saga Continues Poems: A Photograph, The Laburnum Top, The Voice of the Rain Snapshots: The Summer of the Beautiful White Horse, The Address</p>		
<p>September 2024 (23 Days)</p>	<p>READING COMPREHENSION: <i>Practice Assignments</i></p> <p>GRAMMAR: <i>Practice assignments on Re-ordering / Transformation of Sentences (Tenses & Clauses)</i></p> <p>CREATIVE WRITING SKILLS:</p> <ul style="list-style-type: none"> • Debate writing (120-150 words) based on verbal/ visual cues related to some contemporary topical issues. • Classified Advertisement: To Let <p><i>Revision of previous Writing Topics</i></p> <p>LITERATURE: HORNBILL Childhood (Poem) The Adventure (Prose)</p> <p>SNAPSHOTS: Mother's Day (Play)</p>	<p>Students can be encouraged to frame the memories of their childhood in the form of a digital photo album and will share it with the class as a presentation.</p> <p>(Focus Topic: Childhood)</p>
<p>October 2024 (18 Days)</p>	<p>READING COMPREHENSION: <i>Practice Assignments</i></p> <p>GRAMMAR: <i>Practice assignments on Re-ordering / Transformation of Sentences (Tenses & Clauses)</i></p>	<p>Students can be encouraged to prepare a Travel Vlog of the place(s) they will be visiting during the Durga Puja Vacation.</p> <p align="center">OR</p>

	<p>CREATIVE WRITING SKILLS: Poster Writing</p> <p>LITERATURE: HORNBILL Silk Road (Prose)</p>	<p>Even a Vlog of the various pandals they will be visiting.</p> <p>After the vacation the same can be shared during the class with the students.</p>
<p>November 2024 (21 Days)</p>	<p>READING COMPREHENSION:</p> <p>GRAMMAR: <i>Practice assignments on Re-ordering / Transformation of Sentences (Tenses & Clauses)</i></p> <p>CREATIVE WRITING SKILLS: Revision</p> <p>LITERATURE: HORNBILL Father to Son (Poem)</p> <p>SNAPSHOTS: Birth (Prose)</p>	<p>Debate on topics related to 'Generation Gap' / The Rule Makers are the Rule Breakers.</p>
<p>December 2024 (19 Days)</p>	<p>READING COMPREHENSION: Revision</p> <p>GRAMMAR: Revision</p> <p>CREATIVE WRITING SKILLS: Revision</p> <p>LITERATURE: HORNBILL: Revision</p> <p>SNAPSHOTS: The Tale of Melon City (Poem)</p>	<p>Moot Court on The Tale of Melon City</p> <p>Panel Discussion: Teenage Tantrums</p>
<p>January 2025 (25 Days)</p>	<p>READING COMPREHENSION: Revision</p> <p>GRAMMAR: Revision</p> <p>CREATIVE WRITING SKILLS: Revision</p> <p>LITERATURE: HORNBILL & SNAPSHOTS: Revision</p>	

NOTE –

- COMPLETION OF SYLLABUS FOR GRADE VIII, IX & XI – 24.12.2024
- MOCK TEST FOR GRADE VIII, IX & XI – TENTATIVELY IN THE FIRST WEEK OF JANUARY.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE

SESSION: 2024–2025

MONTH-WISE BIFURCATED SYLLABUS

CLASS: XI

SUBJECT: MATHEMATICS (041).

MONTH	CHAPTERS TO BE TAUGHT	ACTIVITY/ PROJECT WORK/ GRAPH/ MAPWORK/SEA etc.
April (24 Days)	Set Theory Relations and Functions Trigonometric Functions	1) To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n . 2) To distinguish between a Relation and a Function
May(08 Days)	Trigonometric Functions (Contd.)	
June (15 Days)	Limits and Derivatives	3) To plot the graphs of $\sin x, \sin 2x, 2\sin x$ and $\sin \frac{x}{2}$, using same coordinate axes.
July (25 Days)	Linear Inequalities Complex Numbers and Quadratic Equations Straight Lines	4) To find analytically $\lim_{x \rightarrow c} f(x) = \frac{x^2}{x}$
August (24 Days)	Straight Lines (contd.) Permutations and Combinations	5) To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.
MID TERM EXAMINATION (TENTATIVELY 3RD WEEK OF AUGUST)		
September (23 Days)	Binomial Theorem Sequence and Series	6) To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent. 7) To demonstrate that the Arithmetic mean of two different positive numbers is always greater

		than the Geometric mean.
October (18 Days)	Conic Sections	7) To construct a parabola. 8) To construct an ellipse using a rectangle.
November (21 Days)	Introduction to Three-dimensional Geometry Statistics	9) To explain the concept of octants by three mutually perpendicular planes in space.
December (19 Days)	Probability	10) To write the sample space, when a coin is tossed once, two times, three times.
January (25 Days)	REVISIONS WORK	

NOTE –

- COMPLETION OF SYLLABUS FOR GRADE X & XII – 09.11.2024
- COMPLETION OF SYLLABUS FOR GRADE VIII, IX & XI – 24.12.2024
- FIRST PRE-BOARD (X & XII) – TENTATIVELY IN THE LAST WEEK OF NOVEMBER.
- SECOND PRE-BOARD (X & XII) - TENTATIVELY IN THE SECOND WEEK OF DECEMBER.
- MOCK TEST FOR GRADE VIII, IX & XI – TENTATIVELY IN THE FIRST WEEK OF JANUARY.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE**SESSION: 2024–2025****MONTH-WISE BIFURCATED SYLLABUS****CLASS: XI****SUBJECT : CHEMISTRY**

MONTH	CHAPTERS TO BE TAUGHT	PRACTICALS
April (24 Days)	Unit1: Some Basic Concepts of Chemistry Unit 2: Structure of Atom (Contd.)	Content Based Experiments
May(08 Days)	Unit 2: Structure of Atom(To be Completed)	Content Based Experiments(Contd.)
June (15 Days)	Unit 3: Classification of Elements and Periodicity in Properties	Volumetric Analysis(Contd.)
July (25 Days)	Unit 4: Chemical Bonding and Molecular Structure Unit 8: Organic Chemistry: Some Basic Principles and Techniques (Contd.)	Volumetric Analysis Salt Analysis(Contd.)
August (24 Days)	Unit 8: Organic Chemistry: Some Basic Principles and Techniques(To be Completed) Revision for Mid Term Examination	Salt Analysis (Contd.)
MID TERM EXAMINATION (TENTATIVELY 3RD WEEK OF AUGUST)		
September (23 Days)	Unit 5: Chemical Thermodynamics	Salt Analysis (Contd.)
October (18 Days)	Unit 7: Redox Reactions	Salt Analysis
November (21 Days)	Unit 6: Equilibrium	Investigatory Project
December (19 Days)	Unit 9:Hydrocarbons	Revision
January (25 Days)	Revision	Revision

NOTE –

- COMPLETION OF SYLLABUS FOR GRADE X & XII – 09.11.2024
- COMPLETION OF SYLLABUS FOR GRADE VIII, IX& XI – 24.12.2024
- FIRST PRE-BOARD (X & XII) – TENTATIVELY IN THE LAST WEEK OF NOVEMBER.
- SECOND PRE-BOARD (X & XII) - TENTATIVELY IN THE SECOND WEEK OF DECEMBER.
- MOCK TEST FOR GRADE VIII, IX & XI – TENTATIVELY IN THE FIRST WEEK OF JANUARY.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE**SESSION: 2024–2025****MONTH-WISE BIFURCATED SYLLABUS****CLASS: XI****SUBJECT : BIOLOGY**

MONTH	CHAPTERS TO BE TAUGHT	ACTIVITY/ PROJECT WORK/ GRAPH/ MAPWORK/SEA etc.
April (24 Days)	Chapter 1 : The Living world Chapter 2: Biological Classification. Chapter 14: Breathing and Exchange of gases Chapter-4: Animal Kingdom	1. Parts of a compound microscope. 2. Study of osmosis by potato osmometer. 3.Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, Liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.
May(08 Days)	Chapter 5 : Morphology of flowering plants Chapter 3 : Plant Kingdom	4. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound). 5.Different types of inflorescence (Cymose and racemose). 6. Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.
HOLIDAY HOME WORK (SUMMER BREAK) : To prepare the project as per the guidelines .		
June (15 Days)	Chapter-8: Cell-The Unit of Life Chapter 10 : Cell Cycle and Cell Division	7.Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides
July (25 Days)	Chapter 9: Bio-molecules Chapter 11 : Photosynthesis in higher plants. Chapter 15: Body fluids and Circulation	8.Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials 9.Study of plasmolysis in epidermal

		peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb). 10. Separation of plant pigments through paper chromatography. 11. Study of distribution of stomata on the upper and lower surfaces of leaves.
August (24 Days)	Chapter 12: Respiration in plants. Chapter 17 : Locomotion and movement:	12. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves 13. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds. 14. Human skeleton and different types of joints with the help of virtual images/models only.
MID TERM EXAMINATION (TENTATIVELY 3RD WEEK OF AUGUST)		
Portion: Chapter 1 : The Living world Chapter 2: Biological Classification. Chapter 3 : Plant Kingdom Chapter-4: Animal Kingdom Chapter 5 : Morphology of flowering plants Chapter-8: Cell-The Unit of Life Chapter 9: Bio-molecules Chapter 10 : Cell Cycle and Cell Division Chapter 11 : Photosynthesis in higher plants. Chapter 12: Respiration in plants. Chapter 14: Breathing and Exchange of gases Chapter 15: Body fluids and Circulation		
September (23 Days)	Chapter 6: Anatomy of flowering plants. Chapter 16 : Excretory products and their Elimination	15. Preparation and study of T.S. of dicot and monocot roots and stems (primary). 16. Test for presence of urea in urine.
October (18 Days)	Chapter 16 : Excretory products and their Elimination(Contd...) Chapter 13 : Plant growth and development	17 Test for presence of sugar in urine. 18. Test for presence of albumin in urine. 19. Test for presence of bile salts in urine
November (21 Days)	Chapter 18: Neural control and coordination: Chapter 19 : Chemical coordination and Integration	----
December (19 Days)	Chapter 7: Structural organization in Animals (Frog)	----
January (25 Days)	REVISION	-----

D.A.V. INSTITUTIONS, WEST BENGAL ZONE**SESSION: 2024–2025****MONTH-WISE BIFURCATED SYLLABUS****CLASS: XI****SUBJECT: COMPUTER SCIENCE**

MONTH	CHAPTERS TO BE TAUGHT	PRACTICAL
April (24 Days)	Unit I: Computer Systems and Organisation: Basic Computer Organization, Types of software, Operating system (OS) Number system, Encoding schemes: ASCII, ISCII, UNICODE (UTF-8, UTF-32). Unit II: Computational Thinking and Programming – 1: Introduction to problem solving, Familiarization with the basics of Python programming.	Practical to use Python idle.
May(08 Days)	Unit II: Computational Thinking and Programming – 1: Knowledge of data types, Operators Expressions, statement, type conversion & input/output.	Practical: Programs on Python by using Operators.
June (15 Days)	Unit II: Computational Thinking and Programming – 1: Errors, Flow of control, Conditional statements, Iterative statements	Practical: Programs on Python by using Operators, if else and Loops.
July (25 Days)	Unit II: Computational Thinking and Programming – 1: Iterative statements (Continue), Unit I: Computer Systems and organization: Boolean logic,	Practical: Programs on Python by using Operators, if else and Loops
August (24 Days)	Unit II: Computational Thinking and Programming – 1 Strings in Pythons. Revision for Mid term Examination	Practical: Programs on Python by using Operators, if else and Loops and Strings
MID TERM EXAMINATION (TENTATIVELY 3RD WEEK OF AUGUST)		
September (23 Days)	List in Python Tuples in Python	Practical: Programs on Python using List and Tuple
October (18 Days)	Dictionary in Python	Practical: Programs on Python using Tuple and Dictionary and Python Modules.
November (21 Days)	Python modules	Practical on Python Modules

December (19 Days)	Unit III: Society, Law and Ethics: Digital Footprints, Digital Society and Netizen, Data Protection, Cyber Crime and Safety, Safely accessing a website, E-Waste Management, IT Act, Technology and Society. REVISION for Mock Test.	Practical Revision on all topics on Python covered.
January (25 Days)	REVISION	REVISION

D.A.V. INSTITUTIONS, WEST BENGAL ZONE**SESSION: 2024–2025****MONTH-WISE BIFURCATED SYLLABUS****CLASS:XI****SUBJECT ECONOMICS**

MONTH	CHAPTERS TO BE TAUGHT	ACTIVITY/ PROJECT WORK/ GRAPH/ MAPWORK/SEA etc.
April (24 Days)	<ul style="list-style-type: none"> ● Basic concepts (Micro) ● Basic concepts (Statistics) ● Consumer's equilibrium (utility analysis) 	Use of mind map and concept map to summarise the basic concept of Micro
May(08 Days)	<ul style="list-style-type: none"> ● Collection of data and organization of data. ● Consumer's equilibrium (Indifference curve analysis)-Introduction 	Questionnaire Preparation and Data collection on Project topic Role Play on methods of collection of data
June (15 Days)	<ul style="list-style-type: none"> ● Consumer's equilibrium (Indifference curve analysis) ● Presentation of data. 	Class board decoration using current data through graphical and digramatic representation.
July (25 Days)	<ul style="list-style-type: none"> ● Theory of demand and elasticity of demand. ● Presentation of data. (To complete) ● Measures of central tendency. (Mean and Median) 	Class presentation on factors affecting elasticity of demand.
August (24 Days)	<ul style="list-style-type: none"> ● Production function, return to a factor. ● Cost ● Measures of central tendency. (MODE) <p>*Exhaustive Numerical practices on Mean, Median and Mode.</p>	Primary/ Brief Synopsis of Project And Viva
MID TERM EXAMINATION (TENTATIVELY 3RD WEEK OF AUGUST)		
September (23 Days)	<ul style="list-style-type: none"> ● Revenue. ● Producer's Equilibrium ● Correlation (to start) <p>Revision for Half yearly</p>	
October (18 Days)	<ul style="list-style-type: none"> ● Theory of supply, its determinants, Law of supply ● Correlation (to complete) 	Role Play on Factors affecting law of supply.
November (21 Days)	<ul style="list-style-type: none"> ● Elasticity of Supply ● Perfectly competitive market 	Class presentation on features of Perfect Competition and it's implications.

	(Meaning and features). Index number.(to start)	
December (19 Days)	<ul style="list-style-type: none"> ● Price determination under perfect competition, price ceiling and price floor. ● Index number (to Complete) 	Complete Project presentation and Viva
January (25 Days)	Revision	

NOTE –

- COMPLETION OF SYLLABUS FOR GRADE X & XII – 09.11.2024
- COMPLETION OF SYLLABUS FOR GRADE VIII, IX & XI – 24.12.2024
- FIRST PRE-BOARD (X & XII) – TENTATIVELY IN THE LAST WEEK OF NOVEMBER.
- SECOND PRE-BOARD (X & XII) - TENTATIVELY IN THE SECOND WEEK OF DECEMBER.
- MOCK TEST FOR GRADE VIII, IX & XI – TENTATIVELY IN THE FIRST WEEK OF JANUARY.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE

SESSION: 2024-2025

MONTH-WISE BIFURCATED SYLLABUS

CLASS: XI

SUBJECT: PHYSICAL EDUCATION (048)

MONTH	CHAPTERS TO BE TAUGHT	PRACTICAL WORK
April (24 Days)	Unit I- Changing Trends & Career in Physical Education	Fitness tests administration. (SAI Khelo India Test)
May (08 Days)	Unit II- Olympic Value Education	
HOLIDAY HOME WORK (SUMMER BREAK) : - Fitness tests administration. (SAI Khelo India Test)		
June (15 Days)	Unit III- Yoga Unit IV- Physical Education & Sports for CWSN	Project related to Asanas, Pranayama & yogic kriyas (Any Three)
July (25 Days)	Unit V- Physical Fitness & Wellness Unit VI- Test, Measurements & Evaluation	
August (24 Days)	Unit VI- Test, Measurements & Evaluation (Remaining portion) REVISION (UNIT-1 TO UNIT-5)	
PORTION FOR MIDTERM EXAMINATION: (THIRD WEEK OF AUGUST) Unit I Changing Trends & Career in Physical Education Unit II Olympic Value Education Unit III Yoga Unit IV Physical Education & Sports for CWSN Unit V Physical Fitness, Wellness & Lifestyle		
September (23 Days)	Unit VII- Fundamentals of Anatomy and Physiology in Sports	Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.
October (18 Days)	Unit VIII- Fundamentals of Kinesiology & Biomechanics in Sports	
November (21 Days)	Unit IX- Psychology and Sports	
December (19 Days)	Unit X- Training & Doping in Sports	
January (25 Days)	Revision (UNIT-1 TO UNIT-10)	

NOTE :-

COMPLETION OF SYLLABUS FOR GRADE X & XII – 09.11.2024

COMPLETION OF SYLLABUS FOR GRADE VIII, IX & XI – 24.12.2024

FIRST PRE-BOARD (X & XII) – TENTATIVELY IN THE LAST WEEK OF NOVEMBER.

SECOND PRE-BOARD (X & XII) - TENTATIVELY IN THE SECOND WEEK OF DECEMBER.

MOCK TEST FOR GRADE VIII, IX & XI – TENTATIVELY IN THE FIRST WEEK OF JANUARY.