THE LEXICON SCHOOL, HADAPSAR

MONTH-WISE CURRICULUM

ACADEMIC YEAR 2025-26

Class XI

THE LEXICON SCHOOL, HADAPSAR

Curriculum 2025-26

Class XI

Subject: English Core **Subject Code: 301**

Term	Month	Portion to be covered
	April/June	**Hornbill:** Prose- Ls.1 The Portrait of a Lady Poem-poem 1 Photograph **Snapshot:** Prose: The Summer of the Beautiful White Horse Reading Skill: Note-taking and Summarizing Grammar: Tenses Creative writing: Poster Making
	July	**Hornbill:** Prose- Ls 2 We're Not Afraid to Die….If We Can Be Together Poem-2 The Laburnum Top **Snapshot:** Prose: The Address Grammar: Clauses Creative writing: Classified Advertisement and Speech Writing
	August	**Hornbill:** Prose- Ls 3 Discovering Tut: The Saga Continues Poem -The Voice of the rain **Snapshot:** Prose: Ls.3 Mother's Day Grammar: Re-ordering and Subject Verb Agreement Creative writing: Debate
	September	**Hornbill:** Ls.4 The Adventure **Snapshot:** Creative writing: Revision of Advertisement and Speech
Term II	October	**Hornbill :** Prose- Ls. 5 Silk Road **Hornbill:** Poem – Childhood Reading Skill: Note making and Summarizing, Comprehension Skills
	November	**Hornbill:** Poem- Father to Son Grammar: Transformation of Sentences Reading Skill: Note making and Summarizing
	December	**Snapshot:** Prose: Ls.4 Birth Hornbill:Poem- Father to Son Poem- The Tale of Melon City Reading Skill: Note making and Summarizing (Revision)
	January	• ASL and Project Viva • Revision for PT3 • Reading comprehension practice (Factual and Case study based)
	February	• Doubt clearing session and step up classes • Revision for Final Exam ▪ Final Exam

THE LEXICON SCHOOL, HADAPSAR

Curriculum 2025-26

Class XI

Subject: Physics **Subject Code**:042

Term	Month	Portion to be covered
Term I	April/June	Chapter 1: Units and Measurements Chapter-2: Motion in a Straight Line[till uniformly accelerated motion) Practical: Experiment 1: To measure the diameter of a small spherical body using Vernier Calipers and hence find its volume.
	July	Chapter-2: Motion in a Straight Line[Velocity, time position graphs, relation for uniformly accelerated motion and instantaneous velocity and acceleration) Chapter-3: Motion in a Plane Practical: Experiment 2: To measure the internal diameter and depth of a given beaker/calorimeter using Vernier Calipers and hence find its volume. Activity 1: To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
	August	Chapter-4: Laws of Motion , Chapter-5: Work, Energy and Power Practical: Experiment 3: To measure the diameter of a given wire and the thickness of a given sheet using a screw gauge. Experiment 4: To find the weight of a given body using the parallelogram law of vectors. Activity 2: To plot a graph for a given set of data, with proper choice of scales and error bars.
	September	Chapter-5: Work, Energy and Power (Numericals and Revision)
Term II	October	Chapter-6: System of Particles and Rotational Motion Chapter-7: Gravitation Practical: Experiment 5: Using a simple pendulum, plot its L-T 2 graph and use it to find the effective length of the second's pendulum Activity 3: Study the variation in the range of a projectile with the angle of projection. Activity 4: To study the effect of detergent on the surface tension of water by observing capillary rise.
	November	Chapter-8: Mechanical Properties of Solids ,Chapter-9: Mechanical Properties of Fluids ,Chapter-10: Thermal Properties of Matter Practical: Experiment 6:. To study the variation of time period of simple pendulum of given length by taking bob of same size but different masses and interpret the results Activity 5: To study the factors affecting the rate of loss of heat of a liquid. Activity 6: To study the effect of load on depression of a suitably clamped metre scale loaded at (i) its end (ii) in the middle.
	December	Chapter-11: Thermodynamics , Chapter 12: Kinetic Theory Practical: Experiment 7: To study the relationship between the temperature of a hot body and time by plotting a cooling curve. Experiment 8: To determine the specific heat capacity of a given solid by the method of mixtures Submission of journals and Project Reports.
	January	Chapter-13: Oscillations, Chapter-14: Waves ,Practical: Revision
	February	Revision

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Class XI

Subject: Chemistry **Subject Code**:043

Term	Month	Name of Topic
Term I	April/June	Unit I : Some Basic Concepts of Chemistry Unit II : Structure of Atom Practical 1- Determination of pH of different samples
	July	Unit II : Structure of Atom (Numericals) Unit III : Classification of Elements and Periodicity in Properties Practical: 2. Determination of the strength of a given solution of Sodium hydroxide by titrating it against a standard solution of Oxalic acid.
	August	Unit IV : Chemical Bonding and Molecular Structure Practical 3:Determination of the strength of a given solution of Sodium Carbonate by titrating it against a standard solution of HCl
	September	Revision
Term II	October	Additional Unit: The Gaseous State Qualitative treatment of Gas laws, Ideal gas equation and deviations from it. Unit V: Thermodynamics Practical 4: Crystallisation of an Impure sample of Copper sulphate
	November	Unit VI : Equilibrium Unit VII : Redox Reactions Additional Unit: & p Block Elements Electronic configuration, atomic & Ionic radii, Ionization Enthalpy, Hydration Enthalpy and general trends in physical and chemical properties of s and p block elements across the periods and down the groups; unique behavior of the first element in each group. Practical 5: To determine one cation and one anion (salt no.1) Practical 6: To determine one cation and one anion (salt no.2)
	December	Unit VIII : Organic Chemistry -Some Basic Principles and Techniques Unit IX: Hydrocarbons Practical 7: To determine one cation and one anion (salt no.3) Practical 8: To determine one cation and one anion (salt no.4) Submission of journals and Project Reports
	January	Unit IX: Hydrocarbons (Cont.) Revision
	February	Revision

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Class XI

Subject: Biology **Subject Code**: 044

Term	Month	Portion to be covered
Term I	April/June	Unit-I Diversity of Living Organisms Chapter-1: The Living World Chapter-2: Biological Classification. Chapter-3: Plant Kingdom Practical 1: Study and describe a locally available common flowering plant, from any one family: Solanaceae or Liliaceae Spotting and Parts of a compound microscope.
	July	Chapter-4: Animal Kingdom Unit-II Structural Organization in Animals and Plant Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organization in Animals Practical-2. Preparation and study of TS of dicot and monocot roots and stems, Spotting Practical 3.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.
	August	Unit-III Cell: Structure and Function Chapter-8: Cell-The Unit of Life Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division Practical-4 Study of osmosis by Potato osmometer. Practical-5 Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. Practical-6 Study of Plasmolysis in epidermal peels
	September	Revision
Term-II	October	Unit-IV Plant Physiology Chapter-13: Photosynthesis in Higher Plants Chapter-14: Respiration in Plants Chapter-15: Plant - Growth and Development Practical-7. Separation of plant pigments through paper chromatography. Practical-8. Study of distribution of stomata in the upper and lower surfaces of leaves. Practical 9. Study of the rate of respiration in flower buds/leaf tissue, and germinating seeds
	November	Unit-V Human Physiology Chapter-17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Practical- 10 - Comparative study of the rates of transpiration in the upper and lower surfaces of leaves Practical 11- Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.

Term	Month	Portion to be covered
	December	Chapter-19: Excretory Products and their Elimination Chapter-20: Locomotion and Movement Practical- Practical 12 . Urine analysis Test for presence of urea in urine. Test for presence of sugar in urine. Test for presence of albumin in urine. Test for presence of bile salts in urine.
	January	Chapter-21: Neural Control and Coordination Chapter-22: Chemical Coordination and Integration Practical 13- Spotting: 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. Practical 14. Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides. Practical 15- Different types of inflorescence (cymose and racemose). Practical 16. Human skeleton and different types of joints with the help of virtual images/models only. Submission of journals and Project Reports
	February	Revision

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Class XII

Subject: Mathematics **Subject Code: 041**

Term	Month	Portion
I	April/ June	Chapter 1 – Sets Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Practical problems on Union and Intersection of two sets. Difference of sets. Complement of a set. Properties of Complement Activity Activity1. Represent set theoretic operations using Venn diagrams for better visualisation and problem-solving. Activity 2. Understand De Morgan's Laws and apply them in set operations. Activity 3. To verify distributive law for three given non-empty sets A, B and C, that is, A ∪ (B ∩ C) = (A ∪ B) ∩ (A ∪ C)
	July	**Chapter 2 - Relations & Functions:** Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto R x R x R). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain, and range of a function. Real valued functions, domain, and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product, and quotients of functions.Composition of Functions **Chapter 3-Trigonometric Functions** Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity sin2x + cos2x = 1, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing sin (x±y) and cos (x±y) in terms of sinx, siny, cosx & cosy and their simple applications. General solution of trigonometric equations of the type sin$y$=sin$a$,cos$y$=cos$a$ and tan$y$=tan$a$ Tan (x ± y) = (tan x ± tan y) / (1 ∓ tan x tan y), Cot (x ± y) = (cot x cot y ∓ 1) / (cot y ± cot x) sinα ± sinβ = 2sin ½ (α ± β) cos ½ (α ∓ β) cosα + cosβ = 2cos ½ (α + β) cos ½ (α − β) $cos\alpha - cos\beta = -2sin\ ½\ (\alpha + \beta)\ sin\ ½\ (\alpha - \beta)$ Identities related to sin2x, cos2x, tan2 x, sin3x, cos3x and tan3x. Activity 4 - To verify that for two sets A and B, n (A×B) = pq and the total number of relations from A to B is 2pq, where n(A) = p and n(B) = q sets. Activity 5: To distinguish between Relation and Function.

Term	Month	Portion
	August	Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications. Chapter 4 - Complex Numbers and Quadratic Equations Need for complex numbers, especially √−1, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane Polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients) in the complex number system. Chapter 6 - Permutations and Combinations Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications. Activity 6: To interpret geometrically the meaning of i^2 = -1 and its integral powers
	September	Chapter 5 - Linear Inequalities • Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. • Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities in two variables. REVISION
II	October	Chapter 7- Binomial theorem Historical perspective, statement, and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications General and middle term in binomial expansion. Chapter 8-Sequence and Series Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P. Activity 7: To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.
	November	Chapter 8-Sequence and Series : sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. General and middle term in binomial expansion. s $\sum k\ n\ k$=1 ,$\sum k2\ n\ k$=1 ,$\sum k3\ n\ k$=1 Chapter 9 - Straight Lines Brief recall of two-dimensional geometry from earlier classes. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form, and Distance of a point from a line. Normal form. General equation of a line.

Term	Month	Portion
	December	Chapter 10 - Conic Sections Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle. Chapter 11 - Introduction to 3-Dimensional Geometry Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points. Section formula. Activity 8: To construct a parabola and to find the radius and centre of the circle
	January	Chapter 12 - Limits and Derivatives Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative: relate it to scope of tangent of the curve, derivative of sum, difference, product, and quotient of functions. Derivatives of polynomial and trigonometric functions. Derivatives of composite functions (Chain rule). Chapter 13 – Statistics Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. Chapter 14 – Probability Events: occurrence of events, ‘not’, ‘and’ and ‘or’ events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of ‘not’, ‘and’ and ‘or’ events. Random experiments; outcomes, sample space (set representation). Activity 9:To find analytically the limit of a function f(x) at x = c. Activity 10: To explore probability by throwing two dice simultaneously and analysing the outcomes.Helps students understand probability through real-world experimentation.
	February	Revision

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Curriculum 2025-26

Class XI

Subject: Applied Mathematics Subject Code: 241

Term	Month	Portion to be covered
	April/ June	Unit 1.Numbers and Quantification 1.2 Binary Numbers 1.4 Indices, Logarithm and Antilogarithm 1.5 Laws and properties of logarithms 1.6 Simple applications of logarithm and antilogarithm 1.8 Clock 1.9 Calendar 1.10 Time, Work and Distance 1.11 Mensuration 1.12 Seating arrangement
	July	UNIT – 2 ALGEBRA Sets 2.1 Introduction to sets – definition 2.2 Representation of sets 2.4 Subsets 2.5 Intervals 2.7 Operations on sets CBSE Student support Material) UNIT – 2 Relations 2.8 Ordered pairs Cartesian product of two sets 2.9 Relations 2.11 Sequence and Series 2.12 Arithmetic Progression 2.14 Applications of AP and GP
	August	UNIT 2 Permutations and Combinations 2.15 Factorial 2.16 Fundamental Principle of Counting 2.17 Permutations 2.20 Combinations UNIT 3 Mathematical Reasoning 3.2 Logical reasoning Activity Activity 1. Plot the graph of functions on excel study the nature of function at various points, drawing lines of tangents Activity 2. Create a budget of income and spending Activity Activity 3. Create and compare sheet of price & features to buy a product Activity 4. Prepare the best option plan to buy a product by comparing cost,
	September	Revision
Term II	October	UNIT – 4 CALCULUS 4.1 Functions 4.2 Domain and Range of a function 4.3 Types of functions 4.4 Graphical representation of functions

Term	Month	Portion to be covered
		4.5 Concepts of limits and continuity of a function using Chain Rule
	November	UNIT – 4 CALCULUS 4.6 Instantaneous rate of change 4.7 Differentiation as a process of finding derivative 4.8 Derivatives of algebraic function UNIT – 5 PROBABILITY 5.1 Introduction 5.2 Random experiment and sample space 5.3 Event 5.4 Conditional Probability 5.5 Total Probability 5.6 Bayes' Theorem
	December	UNIT- 6 DESCRIPTIVE STATISTICS 6.4 Data Interpretation Measure of Dispersion Skewness and Kurtosis 6.5 Percentile rank and Quartile rank 6.6 Correlation **Activity** Activity 5. Smart purchasing during sale season Activity 6. Prepare a report card using scores of the last four exams and compare the performance 7. Collect the data on weather, price, inflation, and pollution. Sketch different types of graphs and analyze the results Project work
	January	UNIT – 7 FINANCIAL MATHEMATICS 7.1 Interest and Interest Rates 7.2 Accumulation with simple and compound interest 7.3 Simple and compound interest rates with equivalency 7.4 Effective rate of interest 7.5 Present value, net present value and future value 7.6 Annuities, Calculating value of Regular Annuity 7.7 Simple applications of regular annuities (upto 3 period) 7.8 Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax 7.9 Bills, tariff rates, fixed charge, surcharge, service charge 7.10 Calculation and interpretation of electricity bill, water supply bill and other supply bills UNIT – 8 COORDINATE GEOMETRY 8.1 Straight line 8.2 Circle 8.3 Parabola
	February	Revision

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Class XI

Subject: Accountancy **Subject Code: 055**

Term	Month	Portion to be covered
Term I	April/ June	Ch 1 Introduction to Accounting Ch 2 Theory Base of Accounting
	July	Ch 3 Recording of Business Transactions Ch 4Journal & Ledger
	August	Ch 5 Recording of Business Transactions Ch 6 Subsidiary Books Ch 7 Bank Reconciliation Statement
	September	Ch 7 Bank Reconciliation Statement Contd
Term II	October	Ch 8 Depreciation, Provisions and Reserves Project work
	November	Ch 9 Trial balance and Rectification of Errors
	December	Ch 10 Financial Statements of Sole Proprietorship-1
	January	Ch 11. Financial Statements of Sole Proprietorship-2 Ch 12 Incomplete Records
	February	Revision

THE LEXICON INTERNATIONAL SCHOOL, WAGHOLI

Curriculum 2025-26
Class XI

Subject: Economics **Subject Code:**030

Term	Month	Portion to be covered
Term I	April/June	Part A - Statistics for Economics Unit 1: Introduction Chapter 1. Economic: An Introduction Chapter 2. Meaning, Scope and Importance of Statistics Part B - Introductory Microeconomics Unit 4: Introduction Chapter 1. Introduction Unit 5: Consumer's Equilibrium and Demand Chapter 2. Consumer's Equilibrium
	July	Part B - Introductory Microeconomics Unit 5: Consumer's Equilibrium and Demand Chapter 3. Demand Chapter 4. Elasticity of Demand Part A - Statistics for Economics Unit 2: Collection, Organization and Presentation of Data Chapter 3. Collection of Data
	August	Part A - Statistics for Economics Unit 2: Collection, Organization and Presentation of Data Chapter 3. Collection of Data (continues) Chapter 4. Organization of Data Chapter 5. Tabular Presentation of Data Chapter 6. Diagrammatic Presentation Chapter 7. Graphic Presentation
	September	Revision of the Portion done
Term II	October	Unit 3: Statistical Tools and Interpretation Chapter 8. Measures of Central Tendency – Arithmetic Mean Chapter 9. Measures of Central Tendency – Median and Mode Project Work
	November	Part B - Introductory Microeconomics Unit 6: Producer's Behavior and Supply Chapter 5. Production Function Chapter 6. Cost Chapter 7. Revenue Chapter 8. Producer's Equilibrium Chapter 9. Supply
	December	Part B - Introductory Microeconomics Unit 7: Forms of Market and Price Determination under Perfect competition with Simple Applications Chapter 10. Main Market Forms – Perfect Competition Chapter 11. Price Determination and Simple Application Part A - Statistics for Economics Unit 3: Statistical Tools and Interpretation Chapter 10. Measure of Correlation
	January	Part A - Statistics for Economics Unit 3: Statistical Tools and Interpretation Chapter 10. Measure of Correlation (continues) Ch.11 Index Numbers
	February	Revision

THE LEXICON SCHOOL,HADAPSAR

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Class XI

Subject: Business Studies **Subject Code: 054**

Term	Month	Portion
Term I	Apri/June	**Part A - Foundations of Business:** **"UNIT 1:Nature and Purpose Of Business** **UNIT2:** Forms of Business Organizations: Sole Proprietorship - Concept, merits and limitations - Partnership-Concept, types, merits and limitation of partnership, registration of a partnership firm, partnership deed. Types of partners - Concept of Hindu Undivided Family Business
	July	**UNIT 2: Forms of Business Organisations. (Cooperative Societies, their merits and demerits, formation a company, various stages and documents required in the formation of the company.)** **UNIT 3: Public, Private and Global Enterprises: Public, Private and Global Enterprises**
	August	**UNIT 4:Business Services.** **Unit 5: Emerging Modes of Business: E-business**
	September	Revision of the Portion done so far
Term II	October	**Unit 6: Social Responsibility of Business and Business Ethics**
	November	**Unit 7: Sources of Business Finance:** Unit 8: December Small Business
	December	**Unit 9:** Internal Trade
	January	**Unit 10:** International Business
	February	**Revision**

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Class XI

Subject: History **Subject Code: 027**

Term	Month	Portion to be covered
Term I	April/June	Theme I Introduction Timeline I (6 MYA TO 1 BCE) Introduction to History L-1 Writing and City Life Map Work of Theme I
	July	Introduction Timeline II (C. 100 BCE TO 1300 CE) L-2 An Empire Across Three Continents
	August	L-3 Nomadic Empires Map Work of Theme II Introduction Timeline III (C. 1300 TO 1700) L-4 The Three Orders(to be continued in next month)
	September	L-4 The Three Orders (continued)
Term II	October	L-5 Changing Cultural Traditions Map work of Theme III
	November	Introduction Timeline IV (C. 1700 TO 2000) L-6 Displacing Indigenous People
	December	L-7 Paths to Modernisation
	January	L-7 Paths to Modernisation (Contd.) Map Work of Theme IV
	February	Revision

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Class XI

Subject: Psychology **Subject Code:037**

Term	Month	Topics to be covered
Term I	April/ June	Unit 1What is Psychology? Unit II: Methods of Enquiry in Psychology. **Learning Objective** 1. To explain the goals and nature of psychological enquiry and the steps required to conduct scientific research. 2. To describe important methods of psychological inquiry-qualitative and quantitative approaches. 3. To explore ways to imbibe an ethical code of conduct in one's way of being.
	July	Unit III- Human Development. **Learning Objective** 1. To distinguish the characteristics of developmental stages: infancy, childhood, adolescence, adulthood and old age. 2. To record one's own course of development and related experiences. Project Work
	August	Unit V- Sensory, Attentional and Perceptual Processes Learning Objective 1. To explain the nature of sensory processes, i.e. how various sensory stimuli are received, attended to and given meaning. 2. To describe the processes and types of attention. Practical: The students shall be required to undertake one project.
	September	Revision Work
Term II	October	Unit V- Learning **Learning Objective** To explain the nature of learning and the connection between different forms or types of learning. To enumerate various psychological processes that occur during learning and influence its course. Practical 1 To compare the learning efficacy of Meaningful vs meaningless verbal material.
	November	Unit VI- Human Memory **Learning Objective** To explain the nature of memory and distinguishes different types of memory. To describe the nature and causes of forgetting and the strategies for improving memory. Practical- II: To study the nature as well as progress in learning through maze learning
	December	Unit VII- Thinking **Learning Objective** To describe the nature of thinking and reasoning. To explain some cognitive processes involved in problem-solving and decision-making. To differentiate between language and thought.
	January	Unit VIII - Motivation & Emotion **Learning Objective** To describe the nature of human motivation and crucial motives. To enumerate the strategies to manage one's own emotions. Practical: The students shall be required to conduct two experiments. Experiments could focus on the cause-and-effect relationship.

THE LEXICON INTERNATIONAL SCHOOL, WAGHOLI

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Class XI

Subject: Geography **Subject Code: 029**

Term	Month	Portion to be covered
Term I	April/June	Part A- Fundamentals of Human Geography Book 1. Human Geography – Nature and Scope 2. The World Population - Distribution, Density and Growth Part B- India - People and Economy Book Population: Distribution, Density, Growth & composition Practical 1. Data – It's Source and Compilation
	July	Part A- Fundamentals of Human Geography Book 3. Human Development 4. Primary Activities Part B- India - People and Economy Book 2. Human Settlements Practical 2. Data Processing
	August	Book 1-Fundamentals of Physical Geography 6. Landform and their Evolution Unit-IV Climate 7. Composition and Structure of Atmosphere 8. Solar Radiation, Heat Balance and Temperature Book 2- India- Physical Environment Geography Practical Part I 2. Map Scale
	September	Revision work
Term II	October	Part A- Fundamentals of Physical Geography 9. Atmospheric Circulations and Weather Systems 10. Water in the Atmosphere Part B - India- Physical Environment 1. ClimateGeography Practical Part I 1. Latitude, Longitude, and Time
	November	Part A- Fundamentals of Physical Geography 11. World Climate and Climate Change (To be tested through internal assessments in the form of a project and presentation) 12. Water (Oceans) 13. Movements of Ocean Water Part B - India- Physical Environment 4. Climate(cont..) Practical Map Projections
	December	Part A- Fundamentals of Physical Geography 13. Movements of Ocean Water(cont) Part B- India- Physical Environment 5. Natural Vegetation Practical Topographical Maps
	January	14. Biodiversity and Conservation (To be tested through internal assessments in the form of a project and presentation) Map Work 6. Introduction to Remote Sensing

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Class XI

Subject: Information Technology **Subject Code: 802**

Term	Month	Portion to be covered
Term I	April/June	Employability Skills: Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Subject Specific Skills: Unit -1 : Computer Organization, RDBMS (Database and its purpose,Components of a table,Relational Database Model,Terminology (Relation, Tuple, Attribute, Cardinality), Keys (Primary, Candidate,Alternate, Foreign)
	July	Employability Skills - Unit 3: Information and Communication Technology Skills Unit -4 : RDBMS 4.3 DML Commands Unit -2 : Networking And Internet
	August	Employability Skills: Unit 4 : Entrepreneurial Skills-III Subject Specific Skills: Unit 3: Office Automation Tools
	September	Employability Skills: Unit 5 : Green Skills-III
Term II	October	Subject Specific Skills: Unit -4 : Fundamentals of Java
	November	Subject Specific Skills: Unit -4 : Fundamentals of Java (4.3-4.7) (Continued)
	December	Subject Specific Skills: Unit -4 : Fundamentals of Java (4.8-4.10)
	January	Subject Specific Skills: Unit -4 : Fundamentals of Java (4.11-4.17)Revision
	February	Revision

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Class XI

Subject: Informatics Practices **Subject Code: 086**

Term	Month	Portion to be covered
Term I	April/June	**Unit 1. Introduction to computer system** Introduction to computer and computing: evolution of computing devices, components of a computer system and their interconnections, Input/output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types – system and application software, generic and specific purpose software. **Unit 2: Introduction to Python** Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.
	July	**Unit 2: Introduction to Python (Continue)** Control Statements: if-else, if-elif-else, while loop, for loop
	August	**Unit 2: Introduction to Python(Continue)** Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(), list(), append(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(),max(),sum() Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements
Term II	September	**Unit 2: Introduction to Python(Continue)** Dictionary methods and built-in functions – dict(), len(), keys(), values(), items(),update(), del(), clear()
	October	**Unit 3: Database Concepts and the Structured Query Language** Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL Creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER
	November	**Unit 3: Database concepts and the Structured Query Language(Continue)** Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE, UPDATE WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL , **Data Manipulation: INSERT, DELETE, UPDATE**
	December	**Unit 4: Introduction to the Emerging Trends** Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart Cities.
	January	**Unit 4: Introduction to the Emerging Trends(Continue)** **Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology**
	February	**Revision**

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Class XI

Subject: Physical Education **Subject Code: 048**

Term	Month	Portion to be covered
Term I	April/June	Lesson 1- Changing Trends and career in Physical Education
	July	Lesson 2- Olympism Value Education Lesson 3 - Yoga
	August	Lesson 4 - Physical education and sports for CWSN. Lesson 5 – Physical Fitness Health and Wellness
	September	Lesson 6 – Test measurement and evaluation
Term II	October	Lesson 7 – Fundamental of anatomy and physiology in sports. Lesson 8 – Fundamental of Kinesiology and biomechanics in sports.
	November	Lesson 9 – Psychology and sports.
	December	Lesson 10 – Training and doping in sports
	January	Revision
	February	Revision

THE LEXICON SCHOOL, HADAPSAR

Curriculum 2025-26

Class XI

Subject: Entrepreneurship **Subject Code: 066**

Term	Month	Portion to be completed
Term I	Aptil /June	Lesson 1: Entrepreneurship: Concept and functions Entrepreneurship – Concept, Functions and Need, Why Entrepreneurship for You, Myths about Entrepreneurship, Advantage and Limitations of Entrepreneurship, Process of Entrepreneurship, Entrepreneurship – The Indian Scenario
	July	Lesson 2: An Entrepreneur Why be an Entrepreneur, Types of Entrepreneurs, Competencies and characteristics, Entrepreneurial Values, Attitudes and Motivation, Intrapreneur: Meaning and Importance
	August	Lesson 3: Entrepreneurial Journey Idea generation, Feasibility Study and opportunity assessment, Business Plan: meaning, purpose and elements, Execution of Business Plan Project work
	September	Revision of the Portion done so far
Term II	October	Lesson 4: Entrepreneurship as Innovation and Problem-Solving Entrepreneurs as problem solvers · Innovations and Entrepreneurial Ventures – Global and Indian · Role of Technology – E-commerce and Social Media · Social Entrepreneurship – Concept
	November	Lesson 5: Understanding the Market: Concept, Types · Micro and Macro Market Environment · Market Research - Concept, Importance and Process · Marketing Mix Project Work
	December	Lesson 6: Business Finance and Arithmetic: Unit of Sale, Unit Price and Unit Cost – for single product or service, Types of Costs - Start up, Variable and Fixed, Break Even Analysis - for single product or service
	January	Lesson 7: Resource Mobilization: Types of Resources – Physical, Human, Financial and Intangible. · Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc.
	February	Revision

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