

CHINMAYA VIDYALAYA NEW DELHI
SYLLABUS
CLASS - XI

SUBJECT -ENGLISH

S.NO.	MONTH	TOPIC
1	JUNE	Hornbill: The Portrait of a Lady A Photograph (Poem) We're Not Afraid To Die...if We Can All Be Together Snapshots:- The Summer of the Beautiful White Horse Writing: Notice, Poster,
2	JULY	Hornbill: Address Discovering Tut: the Saga Continues The Laburnum Top (Poem) Writing; Note Making , Article
3	AUGUST	The Ailing Planet: the Green Movement's Role Hornbill : Albert Einstein in School Grammar: Integrated Writing: Business letters, Speech
4	SEPTEMBER	Examination
5	OCTOBER	Hornbill: Landscape of the Soul The Voice of the Rain The Browning Version Writing: Job application
6	NOVEMBER	Hornbill: The Adventure Childhood (Poem) Snapshots: The Ghat of the Only World Snapshots: Mother's Day Writing: Debate, Letter to the editor Grammar: Gap filling, Jumbled sentences
7	DECEMBER	Hornbill: Silk Road Hornbill: Father to Son Snapshots: Birth

8	JANUARY	Snapshots: Ranga's Marriage Snapshots: The Tale of Melon City (Poem) Writing : Advertisements
9	FEBRUARY	Examination : Asl

SUBJECT - PHYSICS

S.NO.	MONTH	UNIT
1	JUNE	Units And Dimensions
2	JULY	Kinematics
3	AUGUST	Kinematics + Laws of Motion
4	OCTOBER	Work , Energy + Rotational
5	NOVEMBER	Rotational+ Gravitation
6	DECEMBER	Bulk Properties of Matter
7	JANUARY	Thermodynamics
8	FEBRUARY	Oscillations And Waves

SUBJECT: CHEMISTRY

S.No.	MONTH	UNIT
1	JUNE	Unit-1 Some Basic concepts of Chemistry
2	JULY	Unit-2 Structure of Atom
3	AUGUST	Unit-3 Classification of elements and periodicity in Properties Unit-4 Chemical Bonding and Molecular Structure
4	SEPTEMBER	Unit-12 Some Basic Principles and Techniques
5	OCTOBER	Unit-13 Hydrocarbons
6	NOVEMBER	Unit 8 – Redox Reaction Unit-9 Hydrogen Unit 10- Some s – block Elements
7	DECEMBER	Unit-11 Some p- block Elements Unit -6 Thermodynamics
8	JANUARY	Unit-7 Equilibrium
9	FEBRUARY	REVISION

SUBJECT - BIOLOGY

S.NO.	MONTH	UNIT/CH.NO.	CHAPTER NAME
1	JUNE	I/4	• Animal Kingdom
2	JULY	II/5	• Morphology of Flowering Plants
3	AUGUST	6	• Anatomy of Flowering Plants

		7 III/8 9	<ul style="list-style-type: none"> • Structural Organization in Animals • Cell – The Unit of Life • Biomolecules
4	SEPTEMBER	10 IV/11 12	<ul style="list-style-type: none"> • Cell Cycle and Cell Division • Transport in Plants • Mineral and Nutrition
5	OCTOBER	13 14	<ul style="list-style-type: none"> • Photosynthesis in Higher Plants • Respiration in Plants
6	NOVEMBER	15 V/16 17	<ul style="list-style-type: none"> • Plant Growth and development • Digestion and Absorption • Breathing and Exchange of gases
7	DECEMBER	18 19 20 21	<ul style="list-style-type: none"> • Body Fluids and Circulation • Excretory Products and Their Elimination • Locomotion and Movement • Neural Control and Coordination
8	JANUARY	22 I/3	<ul style="list-style-type: none"> • Chemical Coordination and Integration • Plant Kingdom
9	FEBRUARY	I/1 2	<ul style="list-style-type: none"> • The Living World • Biological Classification • Revision

SUBJECT -MATHEMATICS (041)

S. NO.	MONTH	CHAPTER NAME
1	JUNE	Sequence And Series , Linear Inequalities
2	JULY	Trigonometric Functions, Complex Numbers & Quadratic Equations
3	AUGUST	Straight Lines
4	SEPTEMBER	Conic Sections
5	OCTOBER	Permutations & Combinations, Principle Of Mathematical Induction

6	NOVEMBER	Introduction To Three Dimensional Geometry, Binomial Theorem, Sets
7	DECEMBER	Relations & Functions , Limits & Derivatives
8	JANUARY	Probability & Statistics
9	FEBRUARY	Mathematical Reasoning

SUBJECT - COMPUTER SCIENCE

S. NO.	MONTH	CHAPTER NAME
1	JUNE	Chapter 1-Computer System Organisation
2	JULY	Chapter 2- Data Representation And Boolean Logic
3	AUGUST	Chapter 3 – Getting Started With Python Chapter 4- Python Programming Fundamentals
4	SEPTEMBER	Chapter 5- Conditional And Looping Constructs
5	OCTOBER	Chapter 6 – Strings In Python
6	NOVEMBER	Chapter 7-Lists In Python Chapter 8-Tuples And Dictionary
7	DECEMBER	Chapter 9-Introduction To Python Modules Chapter 10: Error And Exception Handling
8	JANUARY	Chapter 13 - Cyber Safety
9	FEBRUARY	Revision

SUBJECT-ECONOMICS

JUNE	<p><u>MICRO ECONOMIC- Unit: Introduction</u> Meaning of microeconomics and macroeconomics What is an economy? Central problems of an economy: what, how and for whom to produce, concepts of production possibility frontier and opportunity cost</p> <p><u>STATISTICS Unit: Introduction</u> What is Economics? Meaning, scope and importance of statistics in Economics</p>
JULY	<p><u>STATISTICS Unit: Collection, Organization and Presentation of data</u> Collection of data - sources of data - primary and secondary; Methods of collecting data; Some important sources of secondary data: Census of India and National Sample Survey Organization. Organization of Data: Meaning and types of variables; Frequency Distribution. Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph). PROJECT WORK</p>
AUGUST	<p><u>MICRO ECONOMICS Unit: Consumer Equilibrium and Demand</u> <u>Unit: Consumer Equilibrium and Demand</u> Consumer's equilibrium – meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium</p>

	<p>Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve. price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage</p> <p><u>STATISTICS Unit: Statistical Tools and Interpretation</u> Measures of Central Tendency- mean (simple and weighted), median and mode. PROJECT WORK</p>
SEPTEMBER	<p><u>STATISTICS Unit: Statistical Tools and Interpretation (Continued)</u> Measures of Central Tendency- mean (simple and weighted), median and mode. <u>MICRO ECONOMICS Unit: Producer Behaviour and Supply</u> Production function: Short and long Run-Total Product, Average Product and Marginal Product. Returns to a Factor. <u>Revision</u> (HALF YEARLY EXAMINATION) PROJECT WORK</p>
OCTOBER	<p><u>MICRO ECONOMICS Unit: Producer Behaviour and Supply (Continued)</u> Cost and Revenue: Short run costs - total cost, total fixed cost, total variable cost; Average fixed cost, Average variable cost and marginal cost-meaning and their relationship. Revenue - total, average and marginal revenue. Meaning and their relations Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply – percentage change method PROJECT WORK</p>
NOVEMBER	<p><u>STATISTICS Unit: Statistical Tools and Interpretation</u> Measures of Dispersion - absolute dispersion (range, quartile deviation, mean deviation and standard deviation); relative dispersion (co-efficient of range, co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation) Correlation – meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation. PROJECT WORK</p>
DECEMBER	<p><u>STATISTICS Unit: Statistical Tools and Interpretation (Continued)</u> Introduction to Index Numbers - meaning, types - wholesale price index and consumer price index, uses of index numbers; Inflation and index numbers. Some Mathematical tools used in Economics: Equation of a line, slope of a line, slope of a curve <u>MICRO ECONOMICS Unit: Forms of Market and Price Determination</u> Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. PROJECT WORK</p>
JANUARY	<p><u>MICRO ECONOMICS Unit: Forms of Market and Price Determination (Continued)</u> Other Market Forms - monopoly, monopolistic competition - their meaning and features.</p>

	Simple Applications of Demand and Supply: Price ceiling, price floor. PROJECT SUBMISSION
FEBRUARY	REVISION AND ANNUAL EXAMINATIONS

SUBJECT - ACCOUNTANCY

S.NO.	MONTH	TOPIC
1	JUNE	UNIT 1 : Theoretical Framework : (i). Introduction to Accounting
2	JULY	(ii). Theory Base of Accounting.
3	AUGUST	UNIT 2 : Accounting Process : (i). Recording of Business Transactions (ii). Bank Reconciliation Statement
4	SEPTEMBER	UNIT 2 : Accounting Process : (iii). Depreciation Accounting
5	OCTOBER	UNIT 2 : Accounting Process : (iv). Provisions and Reserves (v). Bills of Exchange
6	NOVEMBER	UNIT 2 : Accounting Process : (vi). Trial Balance and Rectification of Errors.
7	DECEMBER	UNIT 3 : Financial Statements of Sole Proprietorship from Complete and Incomplete Records : (i). Trading & Profit & Loss Account . (ii). Single Entry System .
8	JANUARY	UNIT 3 : Financial Statements of Sole Proprietorship from Complete and Incomplete Records : (ii). Single Entry System .
9	FEBRUARY	UNIT 4 : Computers in Accounting : (I). Introduction to Computer and Accounting

SUBJECT - BUSINESS STUDIES

S.NO.	MONTH	TOPIC
1	JUNE	Unit- I: *Nature & Purpose Of Business.
2	JULY	Unit-2: *Forms Of Business Organizations.
3	AUGUST	Unit-3: *Private, Public & Global Enterprises.
4	SEPTEMBER	Unit-4: *Business Services.
5	OCTOBER	Unit-5: *Emerging Modes Of Business.
6	NOVEMBER	Unit-6: * Social Responsibility Of Business. Unit-7: * Sources Of Business Finance.
7	DECEMBER	Unit-8: * Small Business.

		Unit-9 : * Internal Trade * Project Work *
8	JANUARY	Unit-10: * International Business.
9	FEBRUARY	Unit-10: * International Business.

SUBJECT - APPLIED MATHEMATICS (241)

S. NO.	MONTH	CHAPTER NAME
1	JUNE	Sequences And Series , Binary Numbers
2	JULY	Indices, Logarithm And Antilogarithm , Complex Numbers (Preliminary Idea Only)
3	AUGUST	Sets , Relations
4	SEPTEMBER	Permutations And Combinations
5	OCTOBER	Calculus
6	NOVEMBER	Financial Mathematics
7	DECEMBER	Descriptive Statistics, Probability
8	JANUARY	Mathematical Reasoning , Numerical Applications
9	FEBRUARY	Coordinate Geometry

SUBJECT - INFORMATICS PRACTICES

S. NO.	MONTH	CHAPTER NAME
1	JUNE	Chapter 1-Basic Computer Organisation
2	JULY	Chapter 2- Getting Started With Python
3	AUGUST	Chapter 3 – Python Fundamentals Chapter 4- Data Handling
4	SEPTEMBER	Chapter 5- Conditional And Iterative Statements
5	OCTOBER	Chapter 7-Lists In Python
6	NOVEMBER	Chapter 8- Dictionary Unit 3- Data Handling Using Numpy
7	DECEMBER	Unit 3- Data Handling Using Numpy Contd... Chapter 13-Relational Databases
8	JANUARY	Chapter 14 – Simple Queries In Sql Unit 5 – Introduction To Emperging Trends
9	FEBRUARY	Revision

SUBJECT- ENTREPRENEURSHIP

S.NO.	MONTH	CHAPTERS.
1	JUNE	UNIT 1: ENTREPRENEURSHIP: CONCEPT AND FUNCTIONS <ul style="list-style-type: none"> • Entrepreneurship – Concept, Functions and Need. • Myths about Entrepreneurship. • Advantages and limitations of Entrepreneurship.
2	JULY	<ul style="list-style-type: none"> • Process of Entrepreneurship • Entrepreneurship – The Indian scenario. Project Work – Case Study UNIT 2: AN ENTREPRENEUR <ul style="list-style-type: none"> • Why be an Entrepreneur • Types of Entrepreneurs. • Competencies and characteristics
3	AUGUST	<ul style="list-style-type: none"> • Entrepreneurial Values, Attitudes and Motivation. • Intrapreneur: Meaning and Importance. UNIT 3: ENTREPRENEURSHIP JOURNEY <ul style="list-style-type: none"> • Self-Assessment of Qualities, Skills, Resources and Dreams • Idea Generation.
4	SEPTEMBER	UNIT 3: ENTREPRENEURSHIP JOURNEY <ul style="list-style-type: none"> • Feasibility Study and Opportunity Assessment • Business Plan – Meaning, Purpose and elements • Execution of Business Plan.
5	OCTOBER	UNIT 4: ENTREPRENEURSHIP AS INNOVATION AND PROBLEM SOLVING <ul style="list-style-type: none"> • Entrepreneurs as problem solvers. • Innovations and Entrepreneurial ventures- Global and Indian. • Role of technology- E-commerce and social media. • Social Entrepreneurship – Concept • Risk taking- Concept and types
6	NOVEMBER	UNIT 5: CONCEPT OF MARKET <ul style="list-style-type: none"> • Market: Concept, types • Micro and Macro Market Environment • Market Research – Concept, Importance and Process • Marketing mix
7	DECEMBER	UNIT 6: BUSINESS FINANCE AND ARITHMETIC <ul style="list-style-type: none"> • Unit of Sale, Unit Price and Unit Cost- For single product/service • Types of costs- Start up, Variable and Fixed • Break Even Analysis – For single product/service Project Work – Know Your State Handicraft And Handloom
8	JANUARY	UNIT 7 : RESOURCE MOBILIZATION <ul style="list-style-type: none"> • Types of resources- Physical, Human, Financial and Intangible.

		<ul style="list-style-type: none"> • Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members etc. • Estimating Financial Resources requirement • Methods of meeting the financial requirements • Size and capital based classification of business enterprises
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SUBJECT- PAINTING

S.NO.	MONTH	THEORY	PRACTICAL
1	JUNE	--	Zentangle art – Lord Ganesha Composition – Fruits and vegetables Still life – pencil work
2	JUNE	Prehistoric Rock Painting	Composition – nature Still life - pencil sketching and shading
3	JULY		Still life – shapes in objects, multiple shadows
4	AUGUST	Art of Indus Valley	Land scape – Line, Colour, Value, Texture and Space
5	SEPTEMBER	The Art during Mauryan, Shunga,	Folk art – Madhubani
6	OCTOBER	The Art Kushana and Gupta Period	Folk art - Gond Art, Warli Art
7	NOVEMBER	The Art of Ajanta Caves Artistic aspects of Indian temple sculptures	Monuments – Shading, hatching and colouring
8	DECEMBER	Indian bronze sculptures.	Colour mixing and blending Knife painting,
9	JANUARY	Some artistic aspects of Indo-Islamic Architecture	Spray painting, still life.
10	FEBRUARY		Composition and still life.

SUBJECT : POLITICAL SCIENCE

S.NO.	MONTH	TOPIC
1		(BOOK 1)INDIAN CONSTITUTION AT WORK
2	JUNE	CHAPTER 1 Constitution (The Philosophy And Making Of The Constitution, Fundamental Rights And Directive Principles, Constitutional Amendments)
3	JULY	CHAPTER 2 Election And Representation CHAPTER 3 Legislature
4	AUGUST	CHAPTER 4 Executive

		CHAPTER 5 Judiciary
5	OCTOBER	CHAPTER 6 Federalism CHAPTER 7 Local Government (2 nd Book) Political Theory CHAPTER 1 Political Theory : An Introduction
6	NOVEMBER	CHAPTER 2 Liberty CHAPTER 3 Equality CHAPTER 4 Justice
7	DECEMBER	CHAPTER 5 Rights CHAPTER 6 Citizenship CHAPTER 7 Nationalism
8	JANUARY	CHAPTER 8 Secularism CHAPTER 9 Development
9	FEBRUARY	REVISION

SUBJECT: PSYCHOLOGY

S.NO.	MONTH	CHAPTER
1	JUNE	Chapter 1 – What is Psychology?
2	JULY	Chapter 2 – Methods of Enquiry in Psychology
3	AUGUST	Chapter 3 – The Bases of Human Behaviour
4	SEPTEMBER	Chapter 4 – Human Development Chapter 5 – Sensory, Attentional and Perceptual Processes (Half)
5	OCTOBER	Chapter 5 – Sensory, Attentional and Perceptual Processes (Half) Chapter 6 – Learning
6	NOVEMBER	Chapter 7 – Human Memory
7	DECEMBER	Chapter 8 - Thinking
8	JANUARY	Chapter 9 – Motivation and Emotion

SUBJECT: VALUE EDUCATION

BOOK: BHAGVAD GITA

S.NO.	MONTH	SYLLABUS
1	JUNE	L-1 Arjuna Vishada Yoga
2	JULY	L-2 Sankhya Yoga
3	AUGUST	L- 3 Karma Yoga
4	SEPTEMBER	L- 4 Jnana Karma Sanyasa Yoga
5	OCTOBER	L-5 Karma Sanyasa Yoga

6	NOVEMBER	L- 6 Dhyana Yoga
7	DECEMBER	L-7 Jnana Vignana Yoga
8	JANUARY	L-8 Akshara Brahma Yoga
9	FEBRUARY	L-9 Rajavidya Rajaguhya Yoga

SUBJECT - PHYSICAL EDUCATION (048)

S.NO.	MONTH	UNIT
1	MAY	<p>Unit I Changing Trends & Career in Physical Education</p> <ul style="list-style-type: none"> • Meaning & definition of Physical Education • Aims & Objectives of Physical Education • Career Options in Physical Education • Competitions in various sports at national and international level • Khelo-India Program
2	JUNE	<p>Unit II Olympic Value Education</p> <ul style="list-style-type: none"> • Olympics, Paralympics and Special Olympics • Olympic Symbols, Ideals, Objectives & Values of Olympism • International Olympic Committee • Indian Olympic Association
3	JULY	<p>Unit III Physical Fitness, Wellness & Lifestyle</p> <ul style="list-style-type: none"> • Meaning & Importance of Physical Fitness, Wellness & Lifestyle • Components of physical fitness and Wellness • Components of Health-related fitness <p>Unit VI Physical Activity & Leadership Training</p> <ul style="list-style-type: none"> • Leadership Qualities & Role of a Leader • Creating leaders through Physical Education • Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting, Mountaineering, Surfing and Para Gliding) <p>Safety measures to prevent sports injuries</p>

4	AUGUST	<p>Unit IV Physical Education & Sports for CWSN (Children with Special Needs- Divyang)</p> <ul style="list-style-type: none"> • Aims & objectives of Adaptive Physical Education • Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics) • Concept of Inclusion, its need and Implementation • Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator)
5	SEPTEMBER	<p>Unit V Yoga</p> <ul style="list-style-type: none"> • Meaning & Importance of Yoga • Elements of Yoga • Introduction - Asanas, Pranayam, Meditation & Yogic Kriyas • Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose) • Relaxation Techniques for improving concentration – Yog-nidra
6	OCTOBER	<p>Unit VII Test, Measurement & Evaluation</p> <ul style="list-style-type: none"> • Define Test, Measurement & Evaluation • Importance of Test, Measurement & Evaluation in Sports • Calculation of BMI & Waist - Hip Ratio • Somato Types (Endomorphy, Mesomorphy & Ectomorphy) • Measurement of health-related fitness
7	NOVEMBER	<p>Unit VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports</p> <ul style="list-style-type: none"> • Definition and Importance of Anatomy, Physiology & Kinesiology • Function of Skeleton System, Classification of Bones & Types of Joints • Properties and Functions of Muscles • Function & Structure of Respiratory System and Circulatory System • Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports

8	DECEMBER	<p>Unit IX Psychology & Sports</p> <ul style="list-style-type: none"> • Definition & Importance of Psychology in Phy. Edu. & Sports • Define & Differentiate Between Growth & Development • Developmental Characteristics at Different Stages of Development • Adolescent Problems & Their Management
9	JANUARY	<p>Unit X Training and Doping in Sports</p> <ul style="list-style-type: none"> • Meaning & Concept of Sports Training • Principles of Sports Training • Warming up & limbering down • Skill, Technique & Style • Concept & classification of doping • Prohibited Substances & their side effects • Dealing with alcohol and substance abuse