



TAPOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS 2025-26

SUBJECT: English (301)

Class: XI

Sr.No.	Month	No. of Working Days	No. & Name of the Chapter / Lesson	Content / Subtopics	Activities
1	JUNE	23	<u>HORNBILL</u> Prose 1. The Portrait of a Lady Poetry 1. A Photograph <u>SNAPSHOTS</u> 1. The Summer of the Beautiful White Horse <u>GRAMMAR</u> Verb Forms <u>READING COMPREHENSION</u> Note-making & Summarization	1. Introduction of the author, his literary works, genre, content characters, main protagonist, theme, plot, sub-plot, explanation of lines, discussion and explanation of textual as well as value-based questions. 2. Introduction of the poets, their work, theme of the poems and appreciation of poetic writing skills. 3. Understanding the correct use of forms of Verbs and how to use them with different tenses. 4. Students will become aware of what is note-making and why is it important and also learn the format and usage of Note-making & Summarization.	Solving exercises from textbook. Write summary of poem. Group discussion on what is conscience & why is it important. Write an essay on the person you admire the most. Students will solve Worksheet on Note-making & Summarization.
2	JULY	26	<u>HORNBILL</u> Prose 2. We are Not Afraid to Die.... Poetry 2. The Laburnum Top <u>SNAPSHOTS</u> 2. The Address <u>GRAMMAR</u> Tenses & Transformation of Sentences	1. Students will know the importance of family and its significance during disaster through the description of the disaster faced by a family. 2. Introduction of the poet, and poem theme as well as the poetic devices and the language used by the poet to describe a bird and its movements in a literary way with explanation. 3. Students will know about a girl's search for her mother's belongings along with the significance of the title of the lesson. 4. Understanding the correct use of tenses (forms of verbs) and transformation of sentences into different tenses.	Students will discuss their views about family's importance. Discussion on 'Why should we practice Detachment'? Students will prepare a chart of Tenses. Students will solve a Worksheet on Tenses and Transformation.

			<u>WRITING SKILLS</u> Advertisement <u>Conduction of Speaking & Listening Assessment (ASL) for Term- I.</u>	5. Learning of Advertisement Writing format, types and necessary requisites. a) Sale of goods/services b) Educational opportunities b) Property d) Lost / found ASL task will be conducted to assess their listening skill.	Students will write different types of advertisements. Worksheet for ASL.
3	AUG	18	<u>HORNBILL</u> Prose 3. Discovering Tut: The Saga Continues Poetry 3. The Voice of Rain <u>GRAMMAR</u> Reordering of Sentences <u>WRITING SKILLS</u> Poster Making Speech Writing	1. Brief introduction of Egyptian King Tut. 2. Students will know about the discovery of Tut's Mummy and use of science and technology to discover facts about the mummy. 3. Students will gain knowledge of scientific explanation of the cycle of Rain. 4. Literal explanation of the poem will be done. 5. Students will brush up their skills of reordering jumbled sentences. 6. Learning of poster making and speech writing along with the necessary requisites.	Students will collect information of King Tut. Students will make the mind-map of the chapter. Students will make a list of figures of speech. Students will solve a Worksheet on Reordering of Sentences. Students will make few posters and write speeches on the given situations.
4	SEPT	25	<u>HORN BILL</u> Poetry 4. Childhood <u>SNAPSHOTS</u> 3. Mother's Day <u>WRITING SKILLS</u> Debate Writing <u>READING COMPREHENSION</u> Descriptive & Factual passages	1. Students will know about the poet's feelings towards childhood and growing up. 2. Students will enjoy a humorous portrayal of a mother in the family and what happens when she stands for her rights. 3. Learning the format of debate and its essentials. 4. Students will know the purpose and significance of reading comprehension to enhance vocabulary <ul style="list-style-type: none"> Types of comprehensive passages 	Students will write a paragraph on 'What one thing you want to do as a child'? Group discussion on the rights of a mother in a family. Students will be given few situations to write debates. Worksheets for descriptive and factual passages.

5	OCT	12	<u>HORNBILL</u> Prose 4. The Adventure <u>GRAMMAR</u> Clauses <u>WRITING SKILL</u> Letter Writing – Order Letter	1. Students will gain knowledge about an adventurous story in the Pre- Independence era involving Marathas, The Mughals & the Anglo-Indians. 2. Understanding of various kinds of clauses: noun clause, adjective clause & adverb clause in required context. 3. Learning of essentials of Letter Writing, its format. (Writing business letters to send orders, inquiry and complaints.)	Conduct multiple exercises from text along with character sketch writing. Students will write a paragraph on any science fantasy-based thought. Students will solve a Worksheet on Clauses. Students will write few order letters.
6	NOV	22	<u>HORNBILL</u> Poetry 5. Father to Son <u>SNAPSHOTS</u> 4. Birth <u>WRITING SKILL</u> Letter Writing – Letter to the Editor	1. Introduction of an autobiographical poem written that describes the relationship between father and son. 2. Introduction of the chapter that enables students to know about the importance of a child in parents' life & appreciate the way a doctor balances his psychological condition & profession. 3. Students will learn the format and usage of Editorial Letters.	Students will write a letter to their fathers' apologising for anything they did which hurt them. Students will do character analysis and role-playing of Dr. Andrew Manson, Mrs. Gwyn, Joe morgan and other family members.
7	DEC	25	<u>HORN BILL</u> 5. Silk Road <u>SNAPSHOTS</u> 5. The Tale of Melon City <u>GRAMMAR</u> Modals <u>WRITING SKILL</u> Notice Writing	1. Introduction of the chapter through which students can appreciate the author's adventurous experience while scaling the hilly terrains. 2. Students will understand the gist of the poem & enjoy the humour and irony of the poem related to today's politics and society. 3. Understanding of various Modal Verbs in various contexts & learning the Notice Writing format & its requisites.	Students will prepare a small video as a travelogue. Students will discuss the irony of the king's demise and the melon's reign, and explore the message about power and governance. Students will solve a worksheet on Modals.
8	JAN	17	Revision of Writing Skills Submission of Project Work & Conduction of Speaking Skill for Term- II.	Revision of writing skills and conduction of speaking skill & VIVA based on project.	Students will prepare & submit their projects and give their speaking task.
9	FEB	23	Revision for Final Exam	Revision of all topics in Grammar & Literature. Enhancing the skills of comprehension and content writing.	Solving multiple exercises from sample papers & worksheets.
10	MARCH	10	Conduction of Final Exam	Enhancing the skills of comprehension & writing.	

NAME OF THE TEACHER: Ms. Kalpana Trivedi, Ms. Sailaja Achalla



TAPOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS 2025-26

SUBJECT: Political Science (028)

Class: XI Humanities

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Lesson	Content / Sub Topics	Activities
1.	June	23	Part A : Chapter 1. Constitution: Why and How Part A: Chapter 2. Rights in the Indian Constitution. Part B : Chapter 1. Political Theory: An Introduction	Why do we need a Constitution? * Constitution allows coordination and assurance * Specification of decision making powers * Limitations on the powers of government * The authority of a Constitution * Mode of promulgation * The substantive provisions of a constitution * The importance of rights * Bill of Rights * Fundamental rights in the Indian Constitution * Directive principles of state policy * Relationship between fundamental rights and directive principles * What is politics? * What do we study in political theory? * Putting Political theory into practice * Why should we study political theory.	Group Discussions and Debates: What happens in an organization in the absence of a set of rules and regulations to run it? Collage-Making: Violations of rights. Collecting political cartoons from various newspapers and magazines and discussing the issues raised.
2	July	26	Part B Chapter 2. Freedom	The Ideal of freedom * The sources of Constraints-Why do we need constraints? * The Harm Principle * Negative and Positive liberty * Why does equality matter? * Equality of opportunities * Natural and Social Inequalities * Three dimensions of equality * Feminism, Socialism * How can we promote equality?	Examine current case studies related to the topic. Debate: Does dress code curtail individual freedom? Discussion and debate: On Reservation Policy Group discussion: Challenges and reforms

2	July	26	<p>Part B : Chapter 3. Equality</p> <p>Part A. Chapter 3. Election and Representation</p>	<ul style="list-style-type: none"> * Elections and democracy * Election system in India * First Past the Post System * Proportional Representation * Why did India adopt the FPTP system? * Reservation of constituencies * Free and fair elections * Universal franchise and right to contest * Independent Election Commission *Electoral Reforms 	<p>Comparative analysis: Election processes of different countries</p> <p>UT – I Exams. (14th July to 18th July)</p>
3	Aug	18	<p>Part A. Chapter 4 .Executive</p> <p>Part B. Chapter 4 . . Social Justice</p>	<ul style="list-style-type: none"> * Meaning of an executive *Different types of executives *Parliamentary executive in India *Prime Minister and council of ministers *Permanent executive Bureaucracy *Meaning of Justice *Just Distribution *Justice as fairness *Pursuing Social Justice 	<p>Project Work as per CBSE Guidelines</p> <p>Group discussion on the topic functions of Political and Permanent executives.</p> <p>Debate on Need of State intervention for maintaining social justice in the society</p> <p>Conduct of Term I Practical Exam (Viva) for Internal Marks.</p>
4.	Sept	25	<p>Part A Chapter 5 Legislature</p> <p>Revision for Half Yearly Examination.</p>	<ul style="list-style-type: none"> *Need of Parliament *Two houses of Parliament *Functions and powers of Parliament *Prime Minister and council of ministers <p><i>Revision of all topics</i></p>	<p>Panel Discussion on current legislature Lok Sabha and Rajya Sabha.</p> <p>Half yearly Exams. (12st Sept. to 22nd Sept.)</p> <p><i>Class Tests for Revision</i></p>

5.	October	12	Part B. Chapter 5..Rights . . Part B. Chapter 6 Citizenship	*Meaning of Rights *Origin of Rights *Legal Rights and State *Kinds of Rights *Rights and Responsibilities *Citizen and Nation *Universal Citizenship *Global citizenship	*Discussion on Proposals for new kinds of rights *current case study related with topic be discussed. .
6.	Nov	22	Part A Chapter 6.Judiciary Part A Chapter 7.Federalism	*Need of an independent judiciary *Structure of the judiciary *Judicial Activism *Judiciary and Rights *Judiciary and Parliament. *Federalism in the Indian constitution *Federalism with a strong central government *Conflicts in India's federal system *Special provisions	Debate on necessity of time consuming legal procedures of judiciary. Discussion on creation of Telangana, and removal of article370. Project Work as per CBSE Guidelines
7.	Dec	25	Part A Chapter 8 8.LocalGovernment. Part A Chapter 9 Constitution as a Living Document	*Need of local government *Growth of local government in India *73rdand74th amendments and their implementation *Are Constitution static? *The procedure to amend the Constitution. *Why have there been so amendments? *Basic Structure and Evolution of the Constitution. *Constitution as a Living Document.	Power point presentation on structure of local self-governing bodies. *Comparative study of features of other countries constitution and amendments. *Discussion on current news. UT-II Exam.(1 st Dec to5th Dec)
8.	Jan	17	Part B. Chapter 8.Secularism Part A. Chapter10 The philosophy of the constitution	*Meaning of secularism and secular state *Western and Indian approach to secularism *Criticisms and rationale of Indian secularism *What is meant by philosophy of the constitution? * Constitution as Means of Democratic Transformation * Why do we need to go back to the Constituent Assembly? *What is the political philosophy of our constitution? * Individual freedom * Social Justice * Respect for diversity and minority rights * Secularism	Discussion on views of Jawaharlal Nehru on secularism. Reading the work of Great thinkers Conduct of Term II Practical Exam (Viva) for Internal Marks

9.	Feb	23	Revision for Final Exam	Revision of all topics and Class Tests	<i>Revision and Class Tests</i> <i>Final exam begins from 28th Feb.</i>
10.	Mar	10	Conduct of Final Exam	-	-

Name of the Teacher: Ms. Meenu Singh.

2	July	26	<p>2. Methods of Enquiry in Psychology (Continue)</p> <ul style="list-style-type: none"> • Some Important methods in Psychology <ul style="list-style-type: none"> Observational Method Experimental Method Correlational Method Survey Research Psychological Testing Case Study • Analysis of Data <ul style="list-style-type: none"> Quantitative Method Qualitative Method • Limitations of psychological Enquiry • Ethical Issues <p>3. Human Development</p> <ul style="list-style-type: none"> • Introduction • Meaning of Development • Life-Span Perspective on Development • Factors Influencing Development, Context of Development 	<p>Students will conduct and report a study using Observational method and Survey research.</p> <p>Students will learn to collect data for case-study.</p>
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3	August	18	<p>3. Human Development (Continue)</p> <p>4. Sensory, Attentional and Perceptual Process</p>	<ul style="list-style-type: none"> Overview of Developmental Stages <ul style="list-style-type: none"> Prenatal Stage Infancy Childhood Challenges of Adolescence Adulthood and Old Age Introduction Knowing the World Nature and Variety of Stimulus <ul style="list-style-type: none"> Sense Modalities Functional Limitation of Sense Organs Attentional Processes <ul style="list-style-type: none"> Selective Attention Sustained Attention 	<p>Students will enact problems faced during adolescence through skit.</p> <p>Students will visit an old age shelter to understand the challenges faced during old age period.</p>
4	September	25	4. Sensory, Attentional and Perceptual Process	<ul style="list-style-type: none"> Perceptual Processes <ul style="list-style-type: none"> Processing Approaching in Perception The Perceiver Principles of Perceptual Organisation Perception of Space, Depth and Distance <ul style="list-style-type: none"> Monocular Cues and Binocular Cues Perceptual Constancies Illusions Socio-Cultural Influences on Perception 	<p>Practical 1</p> <p>Meaningfulness of learning materials.</p>

7	December	25	7. Thinking	<ul style="list-style-type: none"> • Introduction • Nature of Thinking • Building Blocks of Thought • The Processes of Thinking • Problem Solving • Reasoning and Decision Making • Nature and Process of Creative Thinking • Thought and Language Development of Language and Language Use 	Different task given to the different groups to assess creative thinking among them.
8	January	17	8. Motivation and Emotion	<ul style="list-style-type: none"> • Introduction • Nature of Motivation • Types of Motives Biological Motives Psychological Motives • Maslow's Hierarchy of Needs • Nature of Emotions • Expression of Emotions Culture and Emotional Expression Culture and Emotional Labelling • Managing Negative emotions • Enhancing Positive emotions 	<p>Project on Maslow's Hierarchy of needs</p> <p>To give some techniques to the students to manage negative emotions and promote positive emotions.</p> <p>Encourage students to keep a psychology journal.</p>
9	February	23	Revision	Revision of Practical <ul style="list-style-type: none"> ➤ Meaningfulness of learning material ➤ Span of attention Revision of the complete course	Doubt solving sessions
10	March	10	Revision of the complete course Annual Examination		

Name of the Teacher: Ms. Avani Makani



TAPOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS
2025-2026

SUBJECT: Applied Art (052)

Class: 11 Humanities

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Lesson	Content / Sub Topics	Activities
1.	June	23	<ul style="list-style-type: none"> The Elements and principles of Art Unit -1 Pre-Historic Rock Painting 	<ul style="list-style-type: none"> Period and location Study and Appreciation Of Following Pre-Historical Paintings: Bhimbetka 	<ul style="list-style-type: none"> Typography (name Typography) Indian Traditional folk Painting (Mandala) Nature study (landscape)
2.	July	26	<ul style="list-style-type: none"> Pre-historic rock painting Unit -1 (B) Art of indus valley civilization 	<ul style="list-style-type: none"> Wizard dance Roaring animal Period and location Extension : In about 1500 miles 	<ul style="list-style-type: none"> Still life (poster color) Logo-symbol Typography-Lettering Typography-Lettering
3.	August	18	<ul style="list-style-type: none"> Unit -1 (B) Art of Indus valley Civilization 	<ul style="list-style-type: none"> Harappa and Mohenjo Daro (now in Pakistan) Ropar, Lothal, Rangpur ,Alamgir ,Kali Bangan, Bana Vali and Dhola Vira(in India) 	<ul style="list-style-type: none"> Picture composition Still life (any medium) Nature life (monochrome) Still life
4.	September	25	<ul style="list-style-type: none"> Unit -1 Art of Indus Valley Civilization Unit -2 Buddhist ,Jain and Hindu art 	<ul style="list-style-type: none"> Bronze casting bull seal Mother goddess (terracotta) location:- Mohenjo Daro Dancing girl (Mohenjo Daro) circa 2500 Bc Male Torso (Harappa) General Introduction to art during 	<ul style="list-style-type: none"> Picture composition Layout Magazine cover Book design lettering

				Mauryan, Shunga, Kushan(Gandhara and Mathura Style) <ul style="list-style-type: none"> Gupta period 	
5.	October	12	<ul style="list-style-type: none"> Unit -2 Buddhist ,Jain and Hindu art 	<ul style="list-style-type: none"> Lion Capital from Sarnath Chauri Bearer from Didar Ganj Seated buddha from Katra Tila (mount) Jain Tirthankara Seated Budhha (Sarnath) 	<ul style="list-style-type: none"> Lettering Layout Still life (monochrome color)
6.	November	22	<ul style="list-style-type: none"> Introduction to Ajanta location (art of Ajanta) Unit -3 Temple sculptures, Bronzes and Indo Islamic architecture 	<ul style="list-style-type: none"> Bodhisattva Padma Pani Mara Vijay Introduction to Temple sculpture Decent of ganga Ravana Shaking mount Kailash Trimurti Lakshmi Narayana (Kandariya Mahadev Temple) Cymbal player Modher and Child 	<ul style="list-style-type: none"> Poster design Still life Still life Nature study
7.	December	25	<ul style="list-style-type: none"> Unit – 4 Bronzes and Artistic Aspects of Indo-Islamic Architecture: Indian Bronzes 	<ul style="list-style-type: none"> Introduction to Indian bronzes Method of Casting (solid and Hollow) Study of following South Indian Bronze Uma {Parvati Devi} Natraj Taj mahal 	<ul style="list-style-type: none"> Poster design Still life
8.	January	17	<ul style="list-style-type: none"> Indo-Islamic Architecture 	<ul style="list-style-type: none"> Gol Gumbaj Qutab Minar 	<ul style="list-style-type: none"> Practice work
9.	February	23	Revision	Revision	<ul style="list-style-type: none"> Practice work

Name of the Teacher : Krishna Jani

2	July	26	III. Yoga II. Olympism	<ul style="list-style-type: none"> • Meaning and importance of yoga • Elements of yoga • Introduction to Yogic Kriyas • Pranayama and its types. • Active Lifestyle and stress management through Yoga <ul style="list-style-type: none"> • Ancient and Modern Olympics • Olympics- Concept and Olympics Values(Excellence, Friendship & Respect) • Olympic Moment Structure- IOC, NOC, IFS, Others Members • Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind • Olympics - Symbols, Motto, Flag, Oath, and Anthem 	Different Asana practices Showing video of Olympic games history. Chart Olympic event.
3	August	18	VI. Test and Measurement in sports	<ul style="list-style-type: none"> • Concept of Test, Measurement & Evaluation in physical education & Sports • Importance of Test, Measurements and Evaluation in Sports. • Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site) • Somato Types (Endomorphy, Mesomorphy & Ectomorphy) • Measurements of health-related fitness 	Practice on Calculation of BMI
4	September	25	VIII. Fundamentals of Kinesiology and Biomechanics in Sports	<ul style="list-style-type: none"> • Definition and Importance of Kinesiology and Biomechanics in sports • Principles of Biomechanics • Kinetics and Kinematics in sports • Type of Body Movements- Flexion, Extension, 	Practices on Different type of body movement

			IX. Psychology and sports	<ul style="list-style-type: none"> Abduction, Adduction, Rotation, Circumduction, Supination & Pronation Axis and Planes – Concept and its application in body movements Definition and importance of psychology in physical education and sports Developmental Characteristics at Different Stages of Development; Adolescent problems and their management Team Cohesion and Sports Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness 	On ground practical on different stages in games/sports.
5	October	12	IV. Physical Education & Sports for CWSN	<ul style="list-style-type: none"> Aims & objective of Adaptive physical education Concept of Disability and Disorder Types of Disability, its causes & nature Role of various professionals for children with special needs 	Group discussion on adaptive & integrated physical education
6	November	22	VII. Fundamental of anatomy and physiology& kinesiology	<ul style="list-style-type: none"> Define anatomy, physiology and its importance Function of skeleton system, classification of bones and types of joint Properties and Functions of Muscles Function and structure of Circulatory system and heart Function and structure of respiratory system 	Charts on different functions of bones

7	December	25	X. Training and Doping in sports	<ul style="list-style-type: none"> • Concept of sports training • Principles of sports training • Training Load: Over Load, Adaptation, and Recovery 	Practical on different techniques and style of game
8	January	17	X. Training and Doping in sports (continue.....)	<ul style="list-style-type: none"> • Warming-up & Limbering Down – Types, Method & Importance • Concept of skill, Technique, Tactics & Strategies • Concept of Doping and its Disadvantages 	Practical on different techniques and style of game
9	February	23	Revision	Revision	Revision
10	March	10	Final exam	Final exam	Final exam

Name of the Teacher: Kamlesh Raval



TAPOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS 2024-25

SUBJECT:COMPUTER SCIENCE(083)

Class: XI

Sr.No.	Month	No. of Working Days	No. & Name of the Chapter / Lesson	Content / Sub Topics	Practicals
1	June	23	Ch-6 Getting started with python	<ul style="list-style-type: none">• Introduction to Python• Advantages & disadvantages of Python• Types of modes• Installation Process	Practical Based on basic programs in Python.
2	July	26	Ch-7 Python Fundamentals	<ul style="list-style-type: none">• Python Character set• Tokens• Variables & Assignments• Simple input & Output function• Elements of Program• L-value and R-value• Dynamic Typing	Practical Based on basic programs in Python.
3	August	18	Ch-8 Data Handling	<ul style="list-style-type: none">• Python Data Types• Mutable/Immutable Datatypes• Variable Internals• Operators• Type Conversion• Python Modules using import• Debugging• Errors and exceptions	Practical Based on various data types , loops, statements in Python
4	September	25	Ch-9 Flow of Control	<ul style="list-style-type: none">• Types of statements• If statements of Python• The Range() function• Looping statements	Practical Based on various loops, statements in Python

5	October	12	Ch-10 String Manipulation Ch- 11 List Manipulation	<ul style="list-style-type: none"> • Traversing a string • String operators • String slices, functions and methods • Creation of a list, • Traversal of a list. • Operations on a list-concatenation, repetition, • Membership • Functions/methods • Lists Slicing • Nested lists 	Programs based on String, List, Tuples
6	November	22	Ch-12 Tuples	<ul style="list-style-type: none"> • Creation of a Tuple • Traversal of a tuple. • Operations on a tuple - concatenation, repetition, • membership • Functions/methods • Nested tuple • Tuple slicing 	Programs based on Tuples
7	December	25	Ch-13 Dictionaries Ch-15 Cyber Safety	<ul style="list-style-type: none"> • Introduction to Dictionaries • Creation, accessing elements of a dictionary, add • An item, modify an item in a dictionary; • Traversal, • Functions/methods • Safely browsing the web, identity protection, • Confidentiality, cyber trolls and bullying. • Safely accessing web sites: malware, viruses, • Trojans, adware. 	Programs based on Dictionaries
8	January	17	Ch-16 Online Access and computer security Ch-17 Society Law and ethics	<ul style="list-style-type: none"> • Digital Footprints, Net etiquettes • Safely communicating data: secure connections, • Eavesdropping, phishing and identity verification. • Intellectual property rights, plagiarism and licensing, open-source software. • E-waste management: proper disposal of used electronic gadget • Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber • Forensics, IT Act. • Technology and society 	Practice questions Solving
9	February+ March	23+10	Revision For Final Exam		

Name of the Teacher: Mr.SHEEMON S



TAPOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS 2025-26

SUBJECT: MATHEMATICS (041)

Class: XI

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Lesson	Content / Sub Topics	Activities
1.	June	23	Ch :1 Sets Ch :2 Relations & Functions	<p>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. Difference of sets. Complement of a set. Properties of Complement.</p> <p>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 $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$). 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.</p>	<p>1) To verify distributive law for three given non-empty sets A, B and C, that is $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$</p>
2.	July	26	Ch :4 Complex Numbers and Quadratic Equations Ch :8 Sequence and Series	<p>Need for complex numbers, especially to be motivated by inability to solve some of the quadratic equations. Algebraic properties of Complex numbers. Argand plane. relation.</p> <p>Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., 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.</p>	<p>Formulae of relation between different sets. Graphs of different functions.</p>

3.	August	18	Ch:5 Linear Inequalities Ch :13 Statistics	<p>Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.</p> <p>Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data</p>	
4.	September	25	Ch :11 Introduction to Three-dimensional Geometry	<p>Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points</p>	To explain the concept of octants by 3 mutually perpendicular planes.
5.	October	12	Ch :3 Trigonometric Functions	<p>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 $\sin^2 x + \cos^2 x = 1$, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Deducing identities like the following:</p> $\frac{\tan x \pm \tan y}{1 \mp \tan x \tan y} = \tan(x \pm y), \quad \cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$ $\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$ $\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$ $\cos \alpha - \cos \beta = -2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$ <p>Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.</p>	To verify the relation between degree measure and the radian measure of an angle.
6.	November	22	Ch :6 Permutations and Combinations Ch :7 Binomial Theorem	<p>Fundamental principle of counting. Factorial n. ($n!$) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.</p> <p>Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.</p>	To find numbers of ways in which 3 cards can be selected from the 5 cards

			Ch :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, Distance of a point from a line.	
7.	December	25	Ch :10 Conic Sections Ch :12 Limits and Derivatives	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. 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 slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.	Study of section of conic: circles , ellipse, parabola and hyperbola
8.	January	17	Ch :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.	Axiomatic (set theoretic) probability, Theoretical approach to Probability. Definition and conditions for the Events .
9.	February	23	REVISION FOR FINAL EXAM		

Name of the Teacher : Ms. Surinder Kaur

Mr. Sunil Israni



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2025 - 26

SUBJECT: Entrepreneurship (066)

Class: 11 Com./ Hum./Sc.

Sr.No.	Month	No. of working days	No. & Name of the Lesson	Content / Sub Topics	Activities
1	June	23	L-1: Entrepreneurship: Concept and Function	<p>Concept of entrepreneurship: .Functions of entrepreneurship.</p> <p>Need for entrepreneurship in our economy.</p> <p>Myths, advantages and disadvantages of entrepreneurship.</p> <p>Process of entrepreneurship</p> <p>Entrepreneurship in the Indian scenario.</p>	<p>Class test will be taken on this lesson.</p> <p>Presentation in the classroom and group discussion and project based.</p>
2	July	26	L-2: An Entrepreneur	<p>Differentiate between various types of entrepreneur.</p> <p>Competencies of an entrepreneur.</p> <p>Meaning and Importance of ethics.</p> <p>Ethics required to an entrepreneur.</p> <p>Entrepreneurial values and attitudes.</p> <p>Motivation process and Maslow's theory.</p>	<p>Value based questions</p> <p>Case study and class test</p> <p>UT – I Exams. (14th July to 18th July)</p> <p>Class test will be taken on this lesson.</p>
3	August	18	<p>L-2: An Entrepreneur</p> <p>L-3: Entrepreneurial Journey</p> <p>Project Work will be given for Half-yearly exam.</p>	<p>Differentiate between Employee and Entrepreneur.</p> <p>Meaning and Importance of Intrapreneurship in an organization.</p> <p>Business Ideas and ways to generate ideas.</p> <p>Concept of business plan and its elements.</p> <p>Feasibility study and its types</p> <p>Understand the reasons for success and failure of business plan.</p>	<p>Case studies and examples.</p> <p>Make a list of types of entrepreneurs.</p> <p>Class test will be taken on this lesson.</p> <p>Project work will be given.</p> <p>Present their own business plan through making of their own efforts.</p>
4	Sep.	25	L-4: Entrepreneurship as Innovation and Problem Solving	<p>Role of innovations in entrepreneurial ventures.</p> <p>Concept and importance of social entrepreneurship. Role of technology and social media in creating new forms of business.</p>	<p>Value based questions</p> <p>Case study and class test</p> <p>Half yearly Exams. (12st Sep. to 22th Sep.)</p> <p>Class test will be taken on this</p>

			L-5:Market Concept	Market: Traditional and other authors E- commerce and E- business, concept and role Market environments (micro and macro) Market research process.	lesson. Problems based solution and presentation on how digitalization can use in business.
5	Oct.	12	L-5:Market Concept	Market Survey: Concept, Importance and process. Marketing mix: product, place, price and promotions. Pricing and factor affecting pricing.Physical distribution, Promotion and its tools.	Value based questions Case study and class test Assessment given Class test will be taken on this lesson.
6	Nov.	22	L-6: Business 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.	Class test will be taken on this lesson. Group discussion and presentation in the classroom.
7	Dec.	25	L-7:Resource Mobilization	Types of resources- Human, Capital, financial and intangible resources Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc. Features of angel investors and venture capitalist firms.	UT – II Exam. (1 st Dec. to 5 th Dec.) Presentation in the class through some example on different type of resource use in business.
8	Jan.	17	Revision and Class test Project work for Final Exam.	It starts from lesson 1 with examples and solving of worksheets.	Project Work On Market Survey
9	Feb.	23	Revision and Class test	It starts from lesson next of finished in January with examples and solving of worksheets.	Class test Value based questions Case study base questions
10	Mar.	13			Final Exam. begins at 28 th Feb.

Name of the Teacher: PRABIR DAS

3.	July	26	Ch-5 Sequence and Series Ch-6 Permutations and Combinations	Differentiate between sequence and series Identify Arithmetic Progression (AP) Formulae of finding term and sum of n terms Arithmetic mean (AM) of two positive numbers Identify Geometric Progression (GP) Derive the term and sum of n terms of a given GP Geometric mean(GM) of two positive numbers Relation between AM and GM Introduction Fundamental Principle of Counting Definition of factorial Permutations Combinations	Random pattern will be given and students will be asked to find general term. To find the number of ways in which three cards can be selected from given five cards.
4.	August	18	Ch-8 Calculus	Dependent variable and independent variable Definition of domain, range and co-domain Types of functions Concepts of limits and continuity Instantaneous rate of change Derivatives of algebraic functions using Chain Rule	Differentiation concept will be explained graphically
5.	September	25	Ch-9 Probability MID TERM EXAMINATION	Probability Introduction Conditional Probability Multiplication Theorem on Probability Independent Events Bayes' Theorem Total Probability	To write the sample space, when a coin is tossed once, two times, three times, four times.
6.	October	12	Ch-12 Coordinate Geometry	Concept of Straight Line and its Graphical representation in 2D Plane Concept of Circles Graphical representation of Circles in 2D Plane Concept of Parabola Graphical representation of Parabola in 2D plane	Students will be asked to derive equation of circle by coordinate of a fixed point and a general point

[illegible]

9.	January	17	Ch-11 Basics of Financial Mathematics	Concept of interest and interest rate Present value, net present value and future value Concept of tax, calculation of tax and simple applications of tax calculation in Goods and Service tax, Income Tax Calculate bills, tariff rates, fixed charge, surcharge, service charge Calculate and interpret electricity bill, water supply bill and other supply bills Compare interest rates on various types of savings Calculate income tax Various types of bills and surcharges	Video (based on real life situations) will be shown to the students to create their interest in topic
10.	February	23	Practical Work REVISION FOR FINAL EXAMINATION		

Name of the Teacher: Ms. Priyanka Sharma

