



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: ENGLISH LANGUAGE AND LITERATURE (Code: 184)

Class: X

Sr. No.	Month	No.of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/ Sports/ Value Education.
1	APRIL	23	Bridge Course: Grammar: Tenses Reported Speech Writing: Formal Letter Reading Skill Short Assessment	Recapitulation for students to apply grammar rules and enhance writing and reading skills.	- Application Skills: Students identify and correct grammatical errors in real-life communication. - Creative Thinking: Students express ideas innovatively	Sports Integration: Error Hunt Game: Team competition to find errors in sentences. Students solve worksheets for topics covered in Bridge course.
			Literature Reader : First Flight <i>Prose :</i> 1. A Letter to God <i>Poetry :</i> 1. Dust of Snow 2. Fire and Ice Supplementary Reader : Footprints without Feet 1. A Triumph of Surgery Grammar: Tenses Writing Skills : Diary Entry Words and Expression Workbook: Reading Comprehension Skills:	- Students comprehend the theme of faith, hope and irony. - Interpret the author's message about trust in God and humanity. - Understanding of grammatical aspects and writing skill formats under various topic heads.	- Basic Listening skills to Intermediate Listening skills by attentively listening to instructions and classroom discussions and understanding of main ideas from text reading in the classroom. - Reading comprehension and interpretation: Critical thinking and inference through intensive understanding of poem themes and interpretation of writer's viewpoint.	Art Integration: Students illustrate Lencho's house, fields and hailstorm scene; create a comic strip of the story. Making A Web-Chart of Character Traits of main characters studied in the texts. Value Education: Discussion on faith, honesty, kindness and helping others in difficult situations Poetry Recitation with good expressions. Write a Diary Entry on a given topic.

2.	JUNE	23	Literature Reader : First Flight <i>Prose :</i> 2. Nelson Mandela 3. Two Stories about Flying <i>Poetry :</i> 3. A Tiger in the Zoo 4. How to Tell Wild Animals Supplementary Reader : Footprints without Feet 2. The Thief's Story 3. The Midnight Visitor Grammar: Modals Writing Skills : Formal Letter – Enquiry Words and Expression Workbook: Reading Comprehension Skills:	• Students analyse the life and struggles of <u>Nelson Mandela</u>. • Compare experiences of the young seagull and the pilot. • Appreciation of writing skills of the poet along with understanding of rhyming patterns, use of literary/poetic devices- Figures of Speech. • Learning the letter writing skills with formal vocabulary, presentation, necessary details.	• Analytical reading and note-making by interpreting themes and messages. • Public speaking and discussion by communicating ideas clearly in speech and writing. • Narrative comprehension, Oral expression and storytelling through reading texts and expressing story plotting. • Application of concept by writing letters on given practical situations.	Debate competition or team discussion representing different viewpoints about freedom and leadership. Value Education: Emphasis on courage, leadership Sports Integration: Discussion on how athletes overcome fear and practise to improve performance. Value Education: Encouraging perseverance, confidence and determination in facing challenges.
3.	JULY	26	Literature Reader : First Flight <i>Prose :</i> 4. From the Diary of Anne Frank <i>Poetry :</i> 5. The Ball Poem 6. Amanda Supplementary Reader : Footprints without Feet 4. A Question of Trust Grammar: Determiners Writing Skills : Formal Letter - Placing Order, Complaint Words and Expression Workbook:	• Students understand the importance of diary writing as a form of self-expression. • Understanding of situation in which diary was written by Anne Frank and the famous episode of her classroom experience. • Students will refer to resource sheet on various determiners and rules for their usage. • Students will learn format and vocabulary to write letters on various given topics.	• Reflective and creative writing by diary entry, expressing own views, reflections and opinion. • Problem solving competencies by developing logical reasoning and interpretation of real-life situations through 'The Ball Poem'. • Communication Competencies through non-verbal communication awareness in formal letter writing.	Art Integration: Designing a personal diary page with creative borders and illustrations. Reading poem to identify the Figures of Speech.(Poetic Devices) <i>Students will solve Work Sheets/Resource Sheets on Reading Passages and grammar topics and Figures of Speech.</i> Conduct of <u>Subject Enrichment Activity.</u> Solving Error Finding exercise Pg. 25 of Workbook. Students will solve Reading Comprehension passage pg. 31

4.	AUGUST	22	Literature Reader : First Flight <i>Prose :</i> 5. Glimpses of India <i>Poetry :</i> 7. The Trees 8. Fog Supplementary Reader : Footprints without Feet 5. Footprints without Feet Grammar: Reported Speech- Statements, Questions Writing Skills : Analytical Paragraph Writing Words and Expression Workbook: Reading Comprehension Skills:	• Understand the lifestyle, customs and heritage of different regions. • Students will learn writing into Reported speech. The necessary rules will be thoroughly discussed. • Students will learn key elements of Analytical Paragraph writing based on given graphs, statistical data, pie-charts etc. Students will refer to Resource sheets with solved examples.	• Descriptive reading and observation skills. • Inquiry and Research Competencies by making students gather information for projects on different places in India. • Multilingual Awareness by appreciating language and other diversities in India. • Life-long Learning competencies by developing reading widely through meaningful poems and various texts in the literature.	Art Integration: Prepare cultural collage, map Students will learn about place through Art-Integrated Project and describe other towns, such as preparing travel brochure. Conduct of : Multiple Assessment Task <i>Students will solve Work Sheets/Resource Sheets on Reading Passages and grammar topics.</i> Students will solve Reading Comprehension passage pg. 84
5.	SEPTEMBER	20	Literature Reader : First Flight <i>Prose :</i> 6. Mijbil the Otter 7. Madam Rides the Bus <i>Poetry :</i> 9. The Tale of Custard the Dragon Revision for Mid-Term Exam :	• Identify descriptive language used in the narrative. • Students analyse the character of Valli and her curiosity about the world. Students will appreciate the Ballad poem after understanding it. Students will enjoy the humorous ballad in form of parody.	• Vocabulary building through practice of various writing skill topics with appropriate format and necessary formal language. • Analytical reading and comprehension. • Speaking and discussion abilities through Revision of all chapters and topics for Mid-Term Exam.	Value Education: Importance of kindness to animals and wildlife conservation. Art Integration: Draw or map Valli's bus journey from village to town. Quiz by students on points from the chapters.
6.	OCTOBER	24	Literature Reader : First Flight <i>Prose :</i> 8. The Sermon at Benares Supplementary Reader : Footprints without Feet 6. The Making of a Scientist 7. The Necklace	• Students understand the teachings of Gautama Buddha. • The key words and their usage will be understood and referred to while solving the exercises.	• Reflective thinking and moral reasoning of critical situations in real life. • Emotional Intelligence competencies by making students understand emotions, critical thinking	Value Education: Emphasizing compassion, patience and acceptance of life's realities. Solve questions on Diary Entry, Story Writing, Letter Writing with profound vocabulary.

			<u>Grammar:</u> Subject-Verb Agreement <u>Writing Skills :</u> Formal Letter – to The Editor Words and Expression Workbook: Reading Comprehension Skills:	Students will learn usage of verbs according to the subject in the sentences. The various rules will be discussed.	and demonstrating empathy through discussions like sermon by the Buddha Students will thoroughly read Supplementary Reader for comprehension and developing cognitive skills.	Screening of relevant audios/videos for further understanding. Conduct of <u>Subject Enrichment Activity.</u> Students will solve Reading Comprehension passage pg. 101
7.	NOVEMBER	13	<u>Literature Reader : First Flight</u> <u>Prose :</u> 9. The Proposal (Drama) <u>Poetry :</u> 10. For Anne Gregory <u>Supplementary Reader : Footprints without Feet</u> 8. Bholi 9. The Book that Saved the Earth (Drama) <u>Grammar:</u> Reported Speech- Imperative: Command, Request Words and Expression Workbook: Reading Comprehension Skills:	- Students understand humour and satire in drama. - Analyses characters and conflicts in the play. Learning of exquisite vocabulary, striking expressions, outstanding plotting of the story, climax and the value based inferences drawn in its historical perspective in the drama. - Students will refer to examples on reported speech.	- Collaboration and teamwork by role play and reading the script with expressions. - Students will admire Script Writing (Dialogue Writing) and how expressions are used in the drama. - Cultural and Intercultural competencies by understanding cultural differences in literature and demonstrating cultural sensitivity in communication.	Conduct of Debate for exchange of ideas. Students will solve <u>value based questions</u> in literature requiring their imagination and interpretation, also requiring writing skill knowledge like dialogue writing, diary entry etc. Ethical and Value-based education by understanding moral dilemmas, social responsibility and empathy for others from the essence of the drama. Students will solve Reading Comprehension passage pg. 120
8.	DECEMBER	25	Words and Expression Workbook: Reading Comprehension Skills: <u>Revision for Pre-Board-1 Exams :</u>	Students will solve Reported Exercise pg.142 of Workbook. Revision of Literature Reader and Supplementary Reader, Grammar and Writing Skills' topics.	Functional Writing and Advanced writing competencies through thorough practice of letter writing and Analytical writing.	Students will solve Reading Comprehension passage pg.137 Conduct of : Multiple Assessment Task <i>Solving of Worksheet</i>
9.	JANUARY	20	<u>Revision for Pre-Board-2 Exams :</u>	Revision of all exercises from Literature, Grammar and Writing Skills.	Developing vocabulary competencies by using contextual vocabulary	Students will solve Previous Year/ Sample Papers.

					through constant reading of textbooks.	
10.	FEBRUARY	23	<u>Revision for CBSE Board Exams Conducted in Feb-March:</u>	Revision of all exercises from Literature, Grammar and Writing Skills.	Developing grammar, language structure competencies, advanced writing skills by solving various questions from sample papers.	Students will solve Previous Year/ Sample Papers.
11.	MARCH	10	<u>Revision for CBSE Board Exams Conducted in Feb-March:</u>	Revision of all exercises for Board Exams.	Solving exercises on related topics.	Students will solve Previous Year/ Sample Papers.

Teacher's Name: Ms. Sunita Sharma

Mr. Malav Trivedi



TAQOVAN INTERNATIONAL SCHOOL
YEARLY SYLLABUS 2026-27

SUBJECT: SOCIAL SCIENCE

Class: 10

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/Sports/Value Education.
1	APRIL	23	<u>Geo:Ch.1</u> <u>Resources and Development</u> - Resources - Type of resources - Development of resources - Resource planning in India - Land use pattern in India	Remember Define resource and its types. Understand Explain sustainable development. Apply Classify resources from daily life. Analyze Compare renewable and non-renewable resources. Evaluate Assess resource planning in India. Create Design a conservation awareness campaign.	- Environmental awareness. - Classification skills. - Analytical thinking about resource distribution. - Decision-making regarding conservation.	Group discussion on sustainable development.

			<u>Pol. Sc: Ch.1 Power Sharing</u> • Case study of Belgium and Sri Lanka • Majoritarianism in Sri Lanka • Why power sharing is desirable • Forms of power sharing	• Remember Define power sharing. • Identify different forms of power sharing. • Understand Explain Belgium and Sri Lanka case studies. • Apply Relate power sharing to school cabinet system. • Analyze Compare majoritarian and accommodative systems. • Evaluate Justify why power sharing is desirable in democracy. • Create Conduct a mock	• Civic awareness. • Logical reasoning. • Comparative analysis of democratic systems. • Decision-making in governance structures.	• Debate on power sharing models • Case study discussion.
			<u>Hist: Ch.2. Nationalism In India.</u> • First world war and its Effect on Indian Politics, • Rowlatt Act • Khilafat Movement • Non – Cooperation Movement	Remember List major movements (Non-Cooperation, Civil Disobedience). Understand Explain Gandhian methods of protest. Apply	• Source analysis Interpretation of historical events. • Empathy towards freedom fighters. • Ability to connect past events with national identity.	• Role play of freedom fighters, patriotic poetry recitation

			• Salt March and its effect on Indian peoples • Civil Disobedience Movement. • The sense of collective belonging.	Interpret historical sources (posters, newspaper reports). Analyze Examine participation of different social groups. Evaluate Judge the effectiveness of non-violent resistance. Summarise The effects of the First World War that triggered the two defining movements (Khilafat & Non- Cooperation Movement) in India		
			<u>Eco: Ch. 1</u> <u>Development</u> • What Development Promises • Different people different goals • Income and other goals • National Development • Sustainability of development	Remember Define development and per capita income. Understand Explain different development goals. Apply Compare two countries using HDI data. Analyze Interpret development indicators. Evaluate Critically assess whether income alone defines development.	• Data interpretation • Comparative analysis of countries. • Understanding economic indicators such as literacy, income and life expectancy.	• Graph interpretation activity, Group presentation.

				Create Prepare a development comparison chart.		
2.	JUNE	23	<u>Pol. Sc: Ch. 2</u> <u>Federalism</u> • What is federalism? • Features of federalism • What makes India a federal country? • How is federalism practiced? Remember List Union, State, and Concurrent subjects. Understand Explain division of powers in India. Apply Categorize examples under different lists. Analyze Examine linguistic reorganization of states. Evaluate Assess advantages of federal system. Create Draw a federal structure flowchart. <u>Geo: Ch.2. Forest and Wildlife</u> • Biodiversity or Biological Diversity • Flora and Fauna in India • Conservation of forest and wildlife in India, Project Tiger	Remember List Union, State, and Concurrent subjects. Understand Explain division of powers in India. Apply Categorize examples under different lists. Analyze Examine linguistic reorganization of states. Evaluate Assess advantages of federal system. Create Draw a federal structure flowchart. • Remember Types of forests and wildlife conservation programs. • Understand Importance of biodiversity. • Analyse Causes of depletion of	▪ Institutional understanding ▪ Analytical thinking about division of powers. ▪ Interpretation of constitutional provisions. ▪ Environmental sensitivity. ▪ Observation skills Problem solving related to conservation. ▪ Awareness of sustainable practices.	▪ Constitution based quiz. ▪ Chart showing centre-state relations. • Conduct debates and case studies on conservation. • Respect for nature and biodiversity.

			- Types and distribution of forests and wildlife resources - Community and Conservation	forests and wildlife. Evaluate Conservation policies and strategies. Discuss How developmental works, grazing wood cutting have impacted the forests		
			<u>Geo: Ch.3 Water Resource</u> - Water some facts and figures - Water security and need for water conservation - Multipurpose river projects	Identify Major sources of water. Explain Causes of water scarcity. Examine the reasons for conservation of water resource in India Analyse How the multipurpose projects are supporting the requirement of water.. Evaluate Water conservation methods.	- Problem solving - Environmental awareness	Value Education: Responsible water usage.
			<u>Hist: Ch.1 - The Rise of Nationalism in Europe.</u>	Recall Events like the French	,	

			• <u>The French Revolution and the Idea of the Nation</u> • <u>The Making of Nationalism in Europe</u> • <u>The Age of Revolutions: 1830-1848</u> • <u>The Making of Germany and Italy</u> • <u>Visualizing the Nation</u>	Revolution and Vienna Congress. • Explain Emergence of nationalism and formation of nation-states. • Examine Causes of nationalist movements in Europe. • Assess The role of liberalism and revolutionary ideas • Evaluate the reasons which led to the First World War.	• Critical thinking • Map interpretation • Timeline creation • Interpretation of historical events	• Value Education: • Discussion on equality and cooperation. • Brainstorming
3.	JULY	26	<u>Pol. Sc: Ch.3 Gender, Religion & Caste</u> • Religion, Communalism and politics • Caste and politics • Gender inequality	• Recall Meanings of gender inequality, religion and caste. • Explain How social divisions affect politics. • Analyse Role of caste and religion in politics. • Evaluate Measures to reduce inequality. • Create An awareness poster on equality.	• Social awareness • Critical analysis of social issues	• Conduct debates and discussions on equality. • Value Education: • Respect, tolerance and social justice.

			<u>Eco: Ch. 2- Sectors OF THE Indian Economy</u> • Sectors of Economic Activities • Comparing the three sectors • Primary, Secondary and Tertiary Sectors in India • Division of sectors as organized and unorganized • Sectors in terms of ownership: Public and Private Sector	• Recall Primary, secondary and tertiary sectors. • Explain Roles of different sectors in the economy. • Analyse Employment distribution among sectors. • Evaluate Importance of the service sector. • Create A pie chart showing sector contribution	• Analytical skills • Data Interpretation • Real-life Economic Examples	• Art Integration: Graphical representation of sector • Use pie charts and sector comparison activities.
			<u>Pol. Sc: Ch. 2 Federalism</u> • What is federalism? • Features of federalism • What makes India a federal country? • How is federalism practiced? • Major Steps towards Decentralisation	• Recall Key features of federalism. • Examine The role and differences of Gender, religion and Caste in practicing Democracy. • Analyse That different expressions based on the differences, are healthy or otherwise in a	• Understanding Governance Structure • Comparison Skills • Civic understanding	• Value Education: Unity in diversity and cooperative governance. • Use flowcharts and group discussions on power distribution.

				democracy • Explain Distribution of powers between centre and states.		
4.	AUGUST	22	<u>Geo: Ch. 4 Agriculture.</u> • Types of farming • Cropping Pattern • Major Crops • Technological and Institutional Reforms	• Recall Types of crops and cropping seasons.. • Examine The crucial role played by agriculture in our economy and society. • Analyse The challenges faced by the farming community in India. • Identifies Various aspects of agriculture, including crop production, types of farming etc • Evaluate Challenges faced by farmers • Prepare Charts showing cropping patterns	• Observation skills • Map skills • Interpretation of Agricultural Patterns	• Value Education: Respect for Farmers and Sustainable Agriculture. • Conduct map work and crop pattern charts.
			<u>Pol. Sc. Ch.4. Political Parties.</u> • Why do we need	• Recall Types and functions of political parties. • Explain	• Civic Understanding/ Democratic	Value Education: Responsible citizenship. Conduct Role play of Election

			political parties? • Meaning and Components of Political Parties • Functions of Political Parties • Necessity of Political Parties • Which are the major political parties in India? • Challenges faced by Political Parties • How can Political Parties be Reformed	Role of political parties in democracy. • Analyse Party system in India. • Evaluate Challenges faced by political parties. • Design A presentation on political party functions.	processes • Reasoning • Debate skills	Campaign.
			<u>Eco: Ch.3. Money and Credit</u> • Role of money in economy • Formal and Informal financial institutions • Savings and credit, Self-help groups.	• Recall Functions of money • Explain Role of banks and financial institutions. • Analyse How credit affects economic activities. • Evaluate Advantages and risks of borrowing	• Financial literacy • Reasoning	• Use flowcharts and case studies on banking systems. • Value Education: Responsible borrowing and financial discipline.

			<u>Geo: Ch.5. Minerals and Energy Resources</u> • Types of minerals • Distribution & Use of Minerals • Economic importance of minerals conservation • Types of power resources • Conventional and non – conventional energy resources and their conservation.	• Recall Major minerals and energy resources. • Explain Their uses and distribution. • Analyse Importance of energy resources for development. • Evaluate Conservation of minerals and energy. • Create A map showing major mineral belts.	• Resource management skills • Analytical thinking • Map interpretation	• Use map work and charts on mineral belts. • Art Integration: Resource distribution maps. Value Education: Resource conservation.
5.	SEPTEMBER	20	Continue..... Geo: Ch.5. Minerals and Energy Resources Revision Syllabus of Mid Term	• Review and Summarise The main ideas and concepts of the chapters. • Strengthen Their understanding of important topics, terms and definitions. • Interpret Maps, Diagrams and Data related to different chapters..	Recall and Memory Skills Helps students remember important facts, dates, terms and concepts. Writing Skills Improves the ability to write clear and structured answers for exams. Map and Interpretation Skills Develops the ability to read and interpret maps, graphs and diagrams.	Question–Answer Method Discussion Method – Students discuss important topics and clarify doubts with peers and teacher. Quiz Activity – Conduct short quizzes to reinforce important points and check understanding. Concept Mapping / Mind Mapping – Students prepare mind maps to connect key ideas of the chapters.. Map Puzzle Activity (Sports Integration) – Organize a map puzzle or relay activity where teams identify locations or resources on the map quickly.

6.	OCTOBER	24	<u>Pol. Sc. Ch 5</u> <u>Outcomes of Democracy</u> • How do we assess democracy's outcomes? • Accountable, responsive and legitimate government • Economic growth and development • Reduction of inequality and poverty • Accommodation of social diversity • Dignity and freedom of the citizens <u>Hist: Ch.5 - Print Culture and the Modern World</u> • Printing in China & Japan • Printing in Europe • Impact of the Print Revolution • The Reading Mania • The Reading Class in the Nineteenth Century • Printing Comes to India	• Recall Key features of democracy. • Explain Expected outcomes of democratic government. • Analyse Democratic performance in different areas. • Evaluate Successes and limitations of democracy. • Identify Early printing methods and their contribution to literature and education. • Understand The meaning of print culture and its role in spreading ideas and knowledge. • Examine How print became a tool for criticism and reform.	• Critical Evaluation • Civic Awareness • Source Analysis • Linking Media with Social Change	• Group discussions and Debates on democratic outcomes. • Value Education: Participation in democracy. • Art Integration: Draw a creative timeline with illustrations of major developments in print culture such as: ➤ Woodblock printing in China ➤ Gutenberg's Printing Press ➤ Spread of print in Europe ➤ Print culture in India
----	---------	----	--	--	--	--

			Geo: Ch 6: Manufacturing Industries • Classification of Industries • Agro-based Industries • Mineral-based Industries • Industrial Pollution and Environmental Degradation • NTPC shows the way	• Explain The role of printed material in spreading revolutionary ideas.		
7.	NOVEMBER	13	Eco: Ch.4. Globalization and the Indian economy(Only 2 Topics) • What is Globalization? • Factors that have enabled Globalisation Hist: Ch.3 Making of the Global World(Only 2 Topics) • The Pre-modern World	• Recall Meaning of globalisation. • Explain Role of MNCs and foreign trade. • Analyse Impact of globalization on India	• Case study analysis • Global awareness • Economic reasoning • Analytical thinking	Value Education: Global awareness and economic responsibility.
			Recall Major trade routes and migration patterns. Explain How trade and		• Interpretation of global Trade Development, • Analytical thinking	Value Education: Cultural diversity appreciation.

			➤ Silk Routes Link the World ➤ Food Travels: Spaghetti and Potato ➤ Conquest, Disease and Trade • The Nineteenth Century (1815-1914)	colonialism led to globalization. Analyse The impact of global trade on societies. Evaluate Benefits and challenges of global economic exchanges.		
8.	DECEMBER	25	Revision & Map Work Pre-board Preparation	• Recall Key concepts and facts from History, Geography, Political Science and Economics chapters. • Explain Important events, processes and ideas in their own words. • Identify & Understand Important terms, dates, places and personalities related to the chapters. • Develop Analytical skills by connecting causes, effects & consequences of historical and social events.	• Time management • Analytical Writing	• Use Quiz Competitions, Group Revision Activities and sample papers. • Sports Integration: Quiz competitions to build Teamwork.
9.	JANUARY	20	Board Preparation	• Interpret Maps, graphs, pictures and data related to different chapters. • Write Structured answers with	• Recall Ability • Application of Concepts	• Conduct Mock Tests • Peer Teaching and Doubt-Clearing Sessions. • Value Education: Confidence Building and Stress Management.

				proper introduction, points and conclusion for board exams. • Differentiate Between important concepts (for example democracy vs dictatorship, resources vs development etc.). • Apply Knowledge to real-life situations and current issues. • Improve Time management and accuracy while solving exam-based questions. • Strengthen Confidence for board examinations through practice and discussion.		
10.	FEBRUARY	23	Board Examination	ALLTHE BEST!		
11.	MARCH	10	Board Examination	ALLTHE BEST!		



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: BIOLOGY

Class: X (Biology)

Sr.No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/ Sports/ Value Education.
1	APRIL	23	Bridge Course: Revision of basic biology terms from previous classes: cell, tissue, organs, nutrition, respiration, reproduction, ecosystem Ch 1: Life Processes (Part 1) – Introduction, Nutrition: Autotrophic and heterotrophic nutrition, how do organisms obtain their nutrition? Nutrition in Humans: Human digestive system Life Processes (Part 2) – Respiration: Respiratory organs, mechanism of Respiration.	Recall and strengthen fundamental biology concepts required for Class X topics Understand basic life processes and modes of nutrition Explain respiration and mechanism of gaseous exchange	Memory recall, conceptual clarity Observation, diagram drawing Analytical thinking, interpretation	Interactive discussion, concept mapping, quick quizzes Chart preparation of digestive system (Art Integration), classroom discussion, Lab Activity(Slide preparation to show Stomata) Demonstrations with models, flowchart creation and Lab activity related to release of CO ₂

2.	JUNE	23	Life Processes (Part 3)- transportation in plants and animals Life Processes (Part 4) – Excretion in plants and humans	Understand the concept of body fluids and transportation mechanisms Describe excretion processes	Analytical thinking, interpretation Conceptual understanding, diagrammatic skills	Chart preparation of Circulatory system (Structure of heart and pathways of blood circulation), Diagram practice, group discussion
3.	JULY	26	Ch 2: Control and Coordination – Nervous system, reflex action, plant hormones	Understand coordination in plants and animals	Logical reasoning, observation	Role play demonstrating reflex action, chart preparation
4.	AUGUST	22	Ch 3: How Do Organisms Reproduce (Part 1) – Asexual reproduction in plants and animals How Do Organisms Reproduce (Part 2) – Sexual reproduction in flowering plants	Identify different modes of reproduction Understand plant reproduction processes	Comparison and classification skills Observation, diagram drawing	Diagram-based explanation, concept mapping Flower structure drawing (Art Integration)

5.	SEPTEMBER	20	Revision of Chapters 1–3 Half-Yearly Examination	Reinforce concepts learned so far Assess conceptual understanding	Analytical thinking, exam writing skills Time management, answer presentation	Practice worksheets and discussion Written examination and feedback session
6.	OCTOBER	24	Ch 3: How Do Organisms Reproduce (Part 3) – Human reproductive system and reproductive health Ch 4: Heredity – Mendel’s experiments, inheritance of traits	Understand human reproduction and health awareness Explain genetic inheritance patterns	Scientific reasoning Logical reasoning, problem solving	Charts and models, value education discussion Punnett square practice, pedigree chart activity
7.	NOVEMBER	13	Ch 5: Our Environment – ecosystem, food chains, environmental issues Syllabus Completion and Revision	Understand ecosystem balance and conservation Strengthen conceptual clarity	Environmental awareness, interpretation skills Application and analytical skills	Poster making on food chains (Art Integration), discussion on conservation Sample paper practice, doubt sessions
8.	DECEMBER	25	Revision & Sample Paper Practice/Pre -Board	Recall, revise and integrate key biological concepts and terminology. To be able to apply concepts to case-based and competency-based questions and identify weak areas.	Time management, exam temperament Analytical reasoning	Chapter-wise tests; full syllabus Pre-Board Full syllabus mock tests; error analysis discussion

9.	JANUARY	20	Intensive Revision and Pre-Board Preparation	Demonstrate mastery of biological concepts, improve answer presentation, diagrams and time management, and confidently attempt board-pattern questions.	Critical thinking, time management, scientific explanation skills	Mock tests, doubt-clearing sessions, diagram practice, peer learning activities
10.	FEBRUARY	23	Final Revision	Annual Exam Begins		

Name of the Teacher: Punam Kumari



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: Science (Physics)

Class: Xth

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/Sports/Value Education.
1	APRIL	23	10. Light – Reflection and Refraction REFLECTION - Introduction - Reflection of light - Spherical Mirrors - Image formed by spherical mirrors - Mirror formula	Students will be able to: - Define light and describe its properties, including straight-line propagation. - Explain reflection of light and state the laws of reflection. - Distinguish between incident ray, reflected ray, and normal in a reflection scenario. - Draw ray diagrams to locate images formed by plane mirrors. - Describe characteristics of images formed by plane mirrors: virtual, erect, laterally	- Observational skills - Diagrammatic and visualization skills - Analytical and conceptual skills - Mathematical and numerical skills - Application skills - Problem-solving skills - Critical thinking skills - Reasoning skills - Experimental skills	✓ Demonstration and HandsOn Learning ✓ Ray Diagram Drawing ✓ Real-Life Applications ✓ Reflective Journaling ✓ Quiz and Gamification

				inverted, and equal in size. • Explain lateral inversion and identify examples in daily life.		
2.	JUNE	23	10. Light – Reflection and Refraction REFRACTION • Refraction of light • Refraction through rectangular glass slab • Refraction through spherical lens • Lens formula • Refractive index • Power of lens	Students will be able to: • Define refraction of light and explain why light bends when it passes from one medium to another. • Distinguish between denser and rarer media • State and apply Snell's Law for refraction at the interface of two media. • Explain refraction of light through a lens and how it leads to convergence or divergence of rays. • Draw ray diagrams to locate images formed by convex and concave lenses for different object positions. • Describe the nature of images (real or virtual, erect or inverted, magnified or diminished) formed by lenses.	• Observational skills • Diagrammatic and visualization skills • Analytical and conceptual skills • Mathematical and numerical skills • Application skills • Problem-solving skills • Critical thinking skills • Reasoning skills • Experimental skills	✓ Demonstration and HandsOnLearning ✓ Ray Diagram Drawing ✓ Real-Life Applications ✓ Reflective Journaling ✓ Quiz and Gamification ✓ LAB ACTIVITY :Refraction throughrectangular glass slab

				• Explain practical applications of lenses in daily life.		
3.	JULY	26	11. The Human eye and the Colorful world • Human eye • Power of accommodation • Defect in vision • Refraction through glass Prism • Dispersion of white light • Atmospheric refraction • Scattering of light • Refraction through glass Prism • Dispersion of white light • Atmospheric refraction REVISION FOR PT-1	Students will be able to : • Describe the structure of the human eye and identify its main parts: cornea, iris, pupil, lens, retina, and optic nerve. • Explain the function of each part of the human eye in the process of vision. • Understand the role of the lens in focusing light on the retina. • Explain accommodation – how the eye adjusts focus for near and distant objects. • Define and identify defects of vision, including myopia, hypermetropia, and presbyopia. • Explain the correction of vision defects using concave and convex lenses. • Draw and interpret ray	• Observational skills • Diagrammatic and visualization skills • Analytical and conceptual reasoning • Application and problem-solving skills • Critical thinking and logical reasoning • Experimental and scientific inquiry skills • Identification and classification skills (defects of vision, corrective lenses) • Integration of theory with real-life applications	✓ Vision Defect Demonstration ✓ Shadow & Lens Experiments ✓ Quiz and Brainstorm Games ✓ LAB ACTIVITY :Refraction through glassprism

				diagrams showing image formation in a normal eye and defective eyes. • Understand the concept of power of a lens and its relation to corrective lenses. • Relate the working of the human eye to practical devices, such as spectacles, contact lenses, and magnifying glasses. • Apply the concepts to explain everyday observations, e.g., why some people need glasses, or how a magnifying glass enlarges objects.		
4.	AUGUST	22	12. Electricity • Electric Charge • Ele. Current Circuit • Ele. Potential and P.D. • Ohm's Law • Resistance and Factor • System of resistors	Students will be able to: • Define electric current, potential difference, and resistance. • Understand the concept of a closed and open circuit. • Draw simple circuit diagrams using standard symbols. • Explain the role of p.d. in driving current through a circuit. • State and experimentally verify	• Observational skills • Experimental / practical skills • Analytical reasoning skills • Numerical / mathematical problem-solving skills • Diagrammatic and circuit-drawing skills • Application and real-life connection skills • Critical thinking and logical reasoning • Measurement and	✓ Hands-On Circuit Building ✓ Ohm's Law Verification ✓ Practical Problem-Solving / Real-Life Applications ✓ Peer Teaching / Collaborative Learning ✓ Teaching through Audio-visual aids ✓ Quiz and gamified learning LAB ACTIVITY : Verification of Ohm's Law

				Ohm's Law. • Explain the factors affecting resistance of a conductor (length, area, material, and temperature).	estimation skills • Predictive and reasoning skills) • Safety awareness and responsible handling of electrical devices	
5.	SEPTEMBER	20	12. Electricity • Parallel combination • Series combination • Heating effect of electric current • Application of heating effect of electric Current • Electric Power REVISION FOR HALF – YEARLY EXAM	Students will be able to: • Understand the concepts of series and parallel combinations of resistors in electric circuits. • Understand the heating effect of electric current and the factors affecting the production of heat in a conductor. • Identify and explain the applications of the heating effect of electric current in daily life appliances such as electric irons, heaters, and fuses. • Understand the concept of electric power, its unit, and its importance in the use of electrical appliances. • Develop the ability to relate electrical concepts to real-life situations and	• Observational skills • Experimental / practical skills • Analytical reasoning skills • Numerical / mathematical problem-solving skills • Diagrammatic and circuit-drawing skills • Application and real-life connection skills • Critical thinking and logical reasoning • Measurement and estimation skills • Predictive and reasoning skills • Safety awareness and responsible handling of electrical devices	✓ Hands-On Circuit Building ✓ Ohm's Law Verification ✓ Practical Problem-Solving / Real-Life Applications ✓ Peer Teaching / Collaborative Learning ✓ Teaching through Audio-visual aids ✓ Quiz and gamified learning LAB ACTIVITY : To find equivalent resistance of resistors connected in parallel and series connection.

				household electrical systems.		
6.	OCTOBER	24	13. Magnetic effect of Electric Current • Magnetic field and field lines • Magnetic field by straight conductor • Right hand thumb rule • Magnetic field by circular loop • Solenoid	Students will be able to: • Demonstrate the magnetic field around a straight current-carrying conductor using a compass. • Determine the direction of magnetic field using the Right-Hand Thumb Rule. • Compare the density of field lines to explain variations in field strength. • Demonstrate the field of a solenoid using a compass. • Describe the solenoid as a bar magnet with north and south poles.	• Scientific Inquiry • Problem Solving • Analytical Thinking • Critical Thinking • Data Analysis and Interpretation • Diagrammatic and Visual Representation • Collaborative Learning • Real-World Application • Predictive and reasoning skills • Observational skills • Experimental / practical skills	✓ Inquiry-Based Learning ✓ Use digital simulations and interactive tools to visualize magnetic fields ✓ Experiential Learning ✓ Peer Teaching / Collaborative Learning
7.	NOVEMBER	13	13. Magnetic effect of Electric Current • Fleming's right hand rule • Electromagnetic induction • Domestic electric circuit • AC and DC current	Students will be able to: • Apply Fleming's Left-Hand Rule to determine the direction of force on a current-carrying conductor in a magnetic field. • Solve problems involving force, current, and magnetic field directions using the	• Scientific Inquiry • Problem Solving • Analytical Thinking • Critical Thinking • Data Analysis and Interpretation • Diagrammatic and Visual Representation • Collaborative Learning • Real-World Application • Predictive and	✓ Inquiry-Based Learning ✓ Use digital simulations and interactive tools to visualize magnetic fields ✓ Experiential Learning ✓ Peer Teaching / Collaborative Learning

				rule. - Define alternating current (AC) and direct current (DC). - Distinguish between AC and DC in terms of direction of flow, magnitude, and use. - Identify examples of sources of AC (e.g., power plants) and DC (e.g., batteries, solar cells).	reasoning skills - Observational skills - Experimental / practical skills	
8.	DECEMBER	25	REVISION	Students will be able to: - Recall and explain the basic concepts, laws, and principles related to Physics topics. - Apply formulas correctly to solve numerical problems. - Draw accurate diagrams and ray diagrams. - Interpret diagrams, graphs, and simple circuit representations related to Physics. - Solve HOTS and case-based questions confidently. - Identify and correct common mistakes in numericals.	- Concept reinforcement - Problem-solving - Analytical skills - Application skills - Error analysis - Time management - Critical thinking	✓ Case-Based Problem Solving ✓ Team Discussions & Quizzes ✓ Activity-Based Learning

9.	JANUARY	20	REVISION	Students will be able to: - Recall and explain the basic concepts, laws, and principles related to Physics topics. - Apply formulas correctly to solve numerical problems. - Draw accurate diagrams and ray diagrams. - Interpret diagrams, graphs, and simple circuit representations related to Physics. - Solve HOTS and case-based questions confidently. - Identify and correct common mistakes in numericals.	- Concept reinforcement - Problem-solving - Analytical skills - Application skills - Error analysis - Time management - Critical thinking	✓ Case-Based Problem Solving ✓ Team Discussions & Quizzes ✓ Activity-Based Learning
10.	FEBRUARY	23	REVISION	Students will be able to: - Recall and explain the basic concepts, laws, and principles related to Physics topics. - Apply formulas correctly to solve numerical problems. - Draw accurate diagrams and ray diagrams. - Interpret diagrams, graphs, and simple circuit representations	- Concept reinforcement - Problem-solving - Analytical skills - Application skills - Error analysis - Time management - Critical thinking	✓ Case-Based Problem Solving ✓ Team Discussions & Quizzes ✓ Activity-Based Learning

				related to Physics. • Solve HOTS and case-based questions confidently. • Identify and correct common mistakes in numericals.		
11.	MARCH	10	BOARD EXAM			

Regards

Ms. Vrushti Shah
Mr. Sonu Chawalani



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: CHEMISTRY

Class: X

Sr.No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Value Education.
1	APRIL	23	1. Chemical reactions and equations - Writing a chemical equation - Balancing a chemical equation - Types of chemical reactions (Combination, decomposition, displacement, double displacement and redox reactions). - Corrosion and Rancidity	Define and Identifying phy and chemical changes Understanding properties of phy and chem changes Illustrate the changes in our surroundings Explain chem reactions and equations Define and Distinguish between various types of reactions. Identify the types of reactions. Applications of chemicals reactions	Formula Writing – Correctly identifying valency and oxidation states to write accurate chemical formulas Equation Balancing – Using the hit-and-trial or algebraic method Predicting Products – Using tools like the Reactivity Series to determine if any reaction will occur. Identifying Agents – oxidizing and reducing agent. Precipitation Identification: Identifying the formation of an insoluble solid (precipitate) in double displacement reactions.	- Chem lab activities - Prediction of products of given activity - Writing balanced chemical equations - Drawing of given lab activity - Sense the changes - Explanation of observations - Finding solution to prevent corrosion in surroundings
2.	JUNE	23	2. Acids bases & salts Chemical properties of acids and bases	Understanding types of nature of chem substances	Classification by Properties: Ability to categorise substances as acidic, basic, or neutral	- The "Acid-Base Hunt" - Think-Pair-Share activity

2.	JUNE	23	• What do all acids and bases have in common? • Important of pH in everyday life • More about salts, pH of salts • Importance of pH in everyday life.	• Distinguish between acid, base and salt • Classification on the basis of phy and chem properties. • Identifying nature through various indicators and acid and bases on the basis of chemical properties. • Applying indicators and pH paper to find about acid or base.	based on their taste, feel) and chemical behaviour with indicators. • Laboratory Procedures: Competency in safely conducting experiments, such as the correct method for dilution. • Everyday Life Problem-Solving: Applying the principle of neutrⁿ to explain: Antacids for treating stomach acidity. Treating bee/nettle stings (acidic) with baking soda. Preventing tooth decay using toothpaste. Adjusting soil pH for optimal crop growth using quicklime or organic matter.	• Visual & Conceptual Aids: drawing of own pH Scale • Use of lab to understand chem properties • Group discussion on salt family • Remembering and Constructing a simple electrolysis setup • Class assessment
3.	JULY	26	2. Acids bases and salts • Chemicals from common salt • Chlor alkali process • Bleaching powder • Baking soda, Washing soda • Water of crystallization & Plaster of paris Revision for PT -1 exam	• Understanding the chlor – alkali process • identifying the products • Applications of the products formed. • Classification of salt on the bases of pH.	• Derivative Products & Their Applications understanding how salt serves as a feedstock for diverse industries. • Chemical Manufacturing: Producing soda ash for glassmaking and caustic soda for soaps, detergents, and textiles. Water treatment. Using salt for removing ca and Mg from hard water.	• Real-World Context • Applying various chemicals in real world • Discussion on Healthcare/ environmental hazards

4.	AUGUST	22	3. Metals and non-metals - Physical properties of metals and non-metals - Chemical properties of metals - The reactivity series - How do metals and nonmetals react? - Properties of ionic compounds	Define and Identifying elements, metals and non-metals Classification of metals, non-metals and semi metals Distinguish between phy and chem properites of elements Applications of the metals based on phy and chem properties Understanding interaction between metals and non-metals	Scientific Inquiry & Observation: Learners develop the ability to distinguish between elements by observing physical properties like lustre, malleability, ductility, and sonority. Analytical Thinking: Students learn to predict chemical outcomes, such as whether a displacement reaction will occur, by analyzing the Reactivity Series of metals.	- Experiments and demonstration - Drawing diagrams - Experiential Learning
5.	SEPTEMBER	20	3. Metals and non-metals - Occurrence of metals - Extraction of metals - Refining of metals - Corrosion - Prevention of corrosion Revision for mid-term exam	Identify type of metal and its extraction steps Distinguish between various extraction techniques (like electrolysis and eletro refining). Understanding corrosion and its prevention Applying prevention techniques to avoid corrosion.	Problem-Solving & Application: Applying knowledge of metallurgy to explain industrial processes like roasting, Calcination, and electrolytic refining. Chemical Literacy: covalent compounds — using electron-dot structures. Critical Thinking & Conceptual Understanding : explaining exceptions in properties of allotropes	- Ethics / Value Integration - Class assessment - Group Discussions Pros/Cons of extraction of metals

6.	OCTOBER	24	4. Carbon and its compounds - Bonding in carbon - Lewis dot structure - Versatile nature of carbon - Saturated and unsaturated carbon compounds - Chains branches and rings.	Understanding carbon as element Distinguish between ionic and covalent comp. Illustrating presence of carbon in our surroundings Identifying allotropes and isomers	Bonding & Structure Understanding covalent bonding catenation nature of Carbon Structural Representation: Drawing electron dot structures, straight chains, branched chains, and ring structures for hydrocarbons (alkanes, alkenes, alkynes).	- Conceptual Understanding - Reflective Discussions
7.	NOVEMBER	13	4. Carbon and its compounds - Homologous series - Nomenclature of carbon compounds - Combustion - Oxidation - Addition reaction - Substitution - Some important compounds of carbon - Soaps and detergents	Define and classify various functional groups Writing IUPAC names of carbon comp Applications of chemicals reactions Distinguish between soap and detergent	Functional Groups and IUPAC Nomenclature Identifying and naming organic compounds containing functional. Understanding homologous series and various reactions of ethanol and ethanoic acid. Application-Based Analysis: Explaining the cleansing action of soaps/detergents,	- Home based activity - Value: Health Consciousness & Consumer Ethics - Peer learning on the social, legal, and health-related hazards of alcohol abuse. - Discussion on Healthcare/ environmental hazards
8.	DECEMBER	25	Revision for PT -2 exam Revision for Pre-Board 1	REVISION, Practice of Sample question paper, Previous years Question Paper, Practical based)		
9.	JANUARY	20	Revision for Pre-Board 2	REVISION, Practice of Sample question paper, Previous years Question Paper, Practical based)		
10.	FEBRUARY	23	Board Exam	REVISION, Practice of Sample question paper, Previous years Question Paper, Practical based)		
11.	MARCH	10	Board Exam	REVISION, Practice of Sample question paper, Previous years Question Paper, Practical based)		

TEACHER: Mr. Deven Pattel



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: MATHEMATICS

Class:X

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/Sports/Value Education.
1	April	23	Bridge Course	Students will be able to ➤ Understand and revise basic and previous concepts	☐ Algebraic manipulation ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking	
			1- Real numbers • Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples • Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$	Students will be able to: ➤ Understand and explain the concept of prime numbers and composite numbers. ➤ State and apply the Fundamental Theorem of Arithmetic to express numbers as products of prime factors. ➤ Use prime factorization to find HCF and LCM of given numbers. ➤ Differentiate between rational and irrational numbers. ➤ Prove the irrationality of $\sqrt{2}$, $\sqrt{3}$, and $\sqrt{5}$ using logical reasoning.	☐ Critical thinking ☐ Collaboration ☐ Mathematical proof and justification ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ Persistence while solving challenging problems	Activity-Based Learning Give students number cards and ask them to break numbers into prime factors .

				➤ Apply logical and mathematical reasoning in solving number-related problems. ➤ Connect real-life examples with mathematical concepts of numbers.		
			14- Probability • Classical definition of probability. • Simple problems on finding the probability of an event.	Students will be able to: ➤ Applies concepts from probability to solve problems on the likelihood of everyday events. ➤ Determine the probability of an event in simple experiments. ➤ Calculate probability using the classical formula.	☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking	➤ Fair Game Discussion Discussion: Toss a coin before any cricket match Students will perform coin experiment to note possible outcomes and compare results with theoretical probability Values Developed: • Importance of fair play and honesty in games • Respect for rules ➤ Dice: "The Probability Grand Prix" Activity: Draw a racetrack with lanes numbered 2 to 12. The Process: 1. Each token stands at the start of a lane. 2. The student rolls two large dice. Whatever the sum is, that lane moves forward one step. 3. The first to the finish line wins. The Discovery: Students will quickly notice that lanes 6, 7, and 8 move constantly, while 2 and 12 barely budge. The lesson:

						This activity turns the "Sum of Two Dice" into a competitive race, highlighting that not all outcomes are equally likely. (there are 6 ways to get a "7" but only 1 way to get a "2")
			2- Polynomials ➤ Zeros of a polynomial ➤ Relationship between zeros and coefficients of quadratic polynomials.	Students will be able to: ➤ Identify and classify polynomials based on degree. ➤ Develops a relationship between algebraic and graphical methods of finding the zeroes of a polynomial. ➤ Understand the relationship between zeros and coefficients of polynomials. ➤ Verify whether a given number is a zero of a polynomial. ➤ Form quadratic polynomials with given zeros.	☐ Graphical Interpretation ☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ ICT	➤ Activity: The "Zero Challenge" (Competency Focused) ➤ Give students a set of "Target Missions." They must type polynomials into the input bar of DESMOS or GEOGEBRA to achieve following results. ➤ Create a polynomial that crosses the X-axis at exactly 3 points. ➤ Create a polynomial that looks like a "W" and has 4 zeroes. ➤ Create a polynomial with degree 5, but only 1 zero.
2.	June	23	2- Polynomials (Cont...)	➤ Solve problems involving sum and product of zeros.		Real life App: Architecture and Construction: Arches and Curves Linear equations (degree 1) make straight beams, but polynomials of higher degrees allow for beautiful, strong curves like Bridges and Roller Coasters.

			4-Quadratic Equations ➤ Standard form of a quadratic equation $ax^2 + bx + c = 0$, ($a \neq 0$). ➤ Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots. ➤ Situational problems based on quadratic equations related to day-to-day activities to be incorporated	students will be able to: ➤ Identify and write quadratic equations in standard form. ➤ Solve quadratic equations using factorization method. ➤ Solve quadratic equations using the quadratic formula. ➤ Find the nature of roots using the discriminant. ➤ Apply quadratic equations to real-life problems. ➤ Develop logical reasoning and analytical skills through algebraic problem solving.	☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ ICT	Sports Integration 🏀 ➤ Activity: Projectile Motion in Sports Explain polynomial relation using examples like throwing a basketball or cricket ball. ➤ The path of a thrown ball follows a quadratic polynomial curve. ➤ Students analyse the height of the ball at different points and observe a parabolic path.
			3 – Pair of Linear equations in two variables • Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. • Algebraic conditions for number of solutions. • Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple	Students will be able to: ➤ Understand the concept of pair of linear equations in two variables. ➤ Represent linear equations graphically on the coordinate plane. ➤ Solve a pair of linear equations using graphical, substitution, elimination and cross-multiplication methods. ➤ Interpret the nature of solutions (unique solution, no solution,	☐ Graphical Interpretation ☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking	Art integrated Activity: 🎨 ➤ To solve a pair of linear equations graphically, identify the vertices of the resulting triangle formed with the X-axis, Shade the region and calculate the "enclosed area."

			situational problems.	infinitely many solutions). ➤ Check the consistency of given lines ➤ Apply pair of linear equations to solve real-life word problems. ➤ Develop logical reasoning and analytical thinking through algebraic methods.		
3.	July	26	5- Arithmetic Progression • Motivation for studying Arithmetic Progression • Derivation of the nth term and sum of the first n terms of AP and their application in solving daily life problems.	Students will be able to ➤ Understand the concept of Arithmetic Progression (AP) and identify sequences that form an AP. ➤ Determine the common difference of an arithmetic progression. ➤ Find the nth term of an AP. ➤ Calculate the sum of first n terms of an AP. ➤ Apply arithmetic progression to real-life situations. ➤ Develop logical reasoning and analytical thinking through sequence patterns.	☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking	Art Integrated Activity:  “Arithmetic Pattern” ➤ Find out different patterns in nature that uses AP prepare PPT and present in group ➤ Create a pattern using polygons that follows Arithmetic sequence and common difference (Triangle, cube, square,)
			7-Co-ordinate geometry • Concepts of coordinate geometry. Distance formula. Section formula (internal division).	Students will be able to: ➤ Understand the concept of distance between two points in a coordinate plane. ➤ Apply the distance formula to find the	☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving	Art Integration  Activity: Coordinate Art (Graph Picture) Students plot points on graph paper and join them to create a picture or design (logo of Batman or Superman, Mandala)

				length of a line segment. ➤ Determine the coordinates of the midpoint of a line segment. ➤ Use coordinate geometry to solve geometrical problems. ➤ Apply coordinate geometry in real-life situations such as maps and design	☐ Logical reasoning ☐ Analytical thinking	art, cartoon character etc.).
			6-Triangles Definitions, examples, counter examples of similar triangles. • (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio. • State (without proof) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side. • State (without proof) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar. • State (without proof) If the corresponding	Students will be able to: ➤ Understand the concept of similarity. ➤ Apply the criteria for similarity of triangles (AA, SAS, SSS). ➤ Use Basic Proportionality Theorem (Thales theorem) in problem solving. ➤ Prove relationships between sides of similar triangles. ➤ Apply triangle properties in real-life situations such as height and distance problems. ➤ Develop logical reasoning and deductive thinking through geometric proofs.	☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking	Art Integration: ☺ The Fractal Similarity is the foundation of many art forms, where the same shape is repeated at different scales. Fractal Art: ➤ The Activity: Students start with one large equilateral triangle and repeatedly remove the middle triangle formed by joining the midpoints. ➤ Concept: This perfectly demonstrates BPT and Midpoint Theorem. ➤ Students calculate the perimeter and area of the resulting smaller triangles. Value Education: "The Strength of the Triangle" In engineering and ethics, the triangle is the only polygon that is "rigid." It does not change shape

			sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar. State (without proof) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.			under pressure. Integrity and Rigidity: ➤ The Discussion: Show how a square frame can be pushed into a rhombus, but a triangle frame stays fixed. ➤ The Value: Integrity. Just as a triangle provides the strongest support in a bridge (Truss bridges), a person with "Triangular Integrity" (Mind, Word, and Action in alignment) stays strong under the pressure of peer influence.
4.	August	22	6-Triangles (Cont...)			
			8- Introduction to Trigonometry - Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined) - Motivate the ratios whichever are defined at 0° and 90°. Values of the trigonometric ratios of 30°, 45° and 60° - Relationships between the ratios. - Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$	Students will be able to: ➤ Identify the Perpendicular, Base, and Hypotenuse with respect to a specific acute angle in a right-angled triangle. ➤ Calculate trigonometric ratios for angles like 0°, 30°, 45°, 60° and 90° ➤ Verify trigonometric identities $\sin^2 A + \cos^2 A = 1$ and understand their universal validity across all right triangle	➤ Conceptual Understanding ➤ Critical thinking ➤ Collaboration ➤ Problem-solving ➤ Analytical thinking	Activity-Based Learning Give students flash cards and ask them to find the value of given trigonometric function based on information provided or prove the given identities.

5.	September	20	9-Application Of Trigonometry Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30°, 45°, and 60°.	Students will be able to: ➤ Understand the concepts of angle of elevation and angle of depression. ➤ Apply trigonometric ratios (sin, cos, tan) to solve real-life height and distance problems. ➤ Interpret diagrams representing real-life problems using trigonometry. ➤ Solve problems involving heights of towers, trees, buildings, mountains, etc. ➤ Appreciate the role of trigonometry in architecture, navigation, and surveying.	☐ Analytical Reasoning ☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ Use of ICT	DIY Clinometer Students make a simple clinometer-using protractor, straw, and thread to measure angles. Using GeoGebra The teacher can use GeoGebra to create dynamic diagrams of right-angled triangles. How it helps: ➤ Students can see how angle of elevation and angle of depression are formed. ➤ The teacher can move objects (like a tower or observer) and the angles change automatically. ➤ Students can observe how height and distance are related through trigonometric ratios.
			REVISION FOR MIDTERM			

6.	October	24	10- Circle • Tangent to a circle at point of contact. • (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact. • (Prove) The lengths of tangents drawn from an external point to a circle are equal.	Students will be able to: ➤ Understand the concept of tangent to a circle and its properties. ➤ Prove that the tangent at any point of a circle is perpendicular to the radius through the point of contact. ➤ Understand that lengths of tangents drawn from an external point to a circle are equal. ➤ Solve problems related to tangents and their properties. ➤ Draw and interpret geometric diagrams involving circles and tangents. ➤ Apply properties of tangents to solve mathematical and real-life problems. ➤ Develop logical reasoning and proof-writing skills through geometric arguments.	☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ Accuracy and Precision	ICT Integration ➤ Teachers may use dynamic geometry software such as GeoGebra to: ➤ Show how a line becomes a tangent when it touches the circle at one point. ➤ Demonstrate that the radius is perpendicular to the tangent. ➤ Illustrate how two tangents from an external point have equal length. This improves visual understanding of geometric relationships. Integration with Art 🎨: Circle Art Activity ➤ Students create geometric designs or mandala patterns using circles and tangents.
----	---------	----	--	--	---	---

			11- Areas Related to Circles - Area of sectors and segments of a circle. - Problems based on areas and perimeter /circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°, 90° and 120° only.	Students will be able to: ➤ Understand and use formulas for area and circumference of a circle ➤ Find the area of sectors and segments ➤ Solve real-life problems involving circular shapes ➤ Relate mathematical concepts to surroundings (wheels, gardens, tracks, etc.) ➤ Apply formulas accurately in different situations	☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Logical reasoning ☐ Analytical thinking ☐ Accuracy and Precision	Activity: “Design a Circular Park” Art: Draw a circular park layout ➤ Calculate area of park ➤ Divide into sectors (play area, garden, seating) Value: Discuss how to maintain cleanliness and greenery
7.	November	13	12- Surface Area and Volume Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.	Students will be able to: ➤ Derive and apply formulas for surface area and volume of 3D shapes. ➤ Solve real-life problems involving capacity, area, and volume. ➤ Compare different solids and analyse efficiency (e.g., packaging shapes) ➤ Calculate volume and surface area of combined solids.	☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Visualization ☐ Analytical thinking ☐ Estimation and approximation	Activity: “3D Shape Formula Art Gallery” - Students will Draw and identify combinations of 3D shapes (cone, cylinder, sphere, hemisphere, cuboid, cube) - Write and understand formulas of CSA (Curved Surface Area), TSA (Total Surface Area), and Volume ➤ Inquiry-Based Learning - Which solid has maximum volume for minimum surface area? - Why are storage tanks cylindrical? - Is volume and capacity are same?

			13-Statistics Mean, median and mode of grouped data	Students will be able to: ➤ Understand and compute mean, median, and mode for grouped data. ➤ Use methods like direct method, assumed mean method, and step deviation method ➤ Analyze real-life data (marks, sports scores, attendance) ➤ Use Empirical Relationship ➤ Appreciate the role of statistical data in digital world	☐ Conceptual Understanding ☐ Real life applications ☐ Critical thinking ☐ Collaboration ☐ Problem-solving ☐ Visualization ☐ Analytical thinking ☐ Estimation and approximation	Sports Integration ⚽ ➤ Collect real data of Runs scored by a player in a cricket match and calculate its mean, median and mode of the data. ➤ Value Education Integration: - Importance of true and unbiased data - Misuse of statistics in real life
8.	December	25	REVISION FOR PRE- BOARD EXAM	Students will be able to: • Recall key concepts, definitions, and formulas from all chapters.	➤ Sample Papers ➤ PYQ's ➤ Doubt Solving	
9.	January-February	20+23	REVISION FOR BOARD EXAM	• Identify the correct concept required to solve a question. • Perform calculations quickly and accurately. • Minimize common errors • Improve time management during problem solving.		

Regards: Sunil Israni,
 Survinder Kaur,
 Satish Sharma



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: Hindi

Class: 10th

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/Sports/Value Education.
1	APRIL	23	ब्रिज कोर्स- हिन्दी वर्णमाला (स्वर- व्यंजन, संयुक्त व्यंजन) मात्राएँ (ह्रस्व, दीर्घ), विकारी व अविकारी शब्द व वाक्य संरचना। गद्य. १ बड़े भाई साहब पद्य. १. साखी (कबीर)	- हिन्दी वर्णमाला का ज्ञान होगा। - मात्राओं (ह्रस्व, दीर्घ) की पहचान कर शब्द निर्माण कर पाएँगे। - अर्थपूर्ण सरल वाक्यों की रचना करना सीखेंगे। - विद्यार्थी कहानों के मुख्य विचार और संदेश को समझ सकेंगे। - अनुशासन, परिश्रम और भाई-भाई के संबंधों को समझेंगे। - पाठ का सार अपने शब्दों में बता सकेंगे। - विद्यार्थी दोहों का अर्थ समझेंगे। - नैतिक मूल्यों व संदेश को पहचान कर अपने जीवन से जोड़ सकेंगे।	- वर्णों की पहचान और उच्चारण। - मात्रा का ज्ञान और प्रयोग। - शब्द निर्माण और उच्चारण। - लेखन और पढ़ने का कौशल। - भाषाई दक्षता, पठन कौशल - मौखिक अभिव्यक्ति - आलोचनात्मक सोच - पारिवारिक संबंधों का महत्व जानना। - काव्य पठन - अर्थ ग्रहण - चिंतन व वक्तव्य कौशल - भाषा की समझ - नैतिक मूल्यों की पहचान	- अक्षर पहचान गतिविधि, शब्दों में से स्वर-व्यंजन अलग करना, मौखिक व लिखित अभ्यास। - सही मात्राओं का प्रयोग सीखाना। - शब्द निर्माण व वाक्य रचना गतिविधि के माध्यम से अभ्यास प्रश्न हल करवाएँगे। - कहानी वाचन व समूह चर्चा - प्रश्न-उत्तर पद्धति - व्याख्या विधि - कहानी का पोस्टर बनवाना - पात्रों का भूमिका अभिनय - लयबद्ध वाचन - अर्थ चर्चा - प्रश्नोत्तर विधि - संगीत के साथ प्रस्तुति

			व्या. पदबंध लेखन- अनुच्छेद लेखन अपठित गद्यांश	- पदबंध की परिभाषा व उसके प्रकारों को पहचान सकेंगे। - पदबंधों का वाक्यों में प्रयोग कर सकेंगे। - दिए गए विषय पर क्रियाबद्ध व सार्थक अनुच्छेद लिखना। - शुद्ध भाषा व उचित शब्दावली का प्रयोग करना। - गद्यांश पढ़कर मुख्य भाव समझना। - प्रश्नों के उत्तर सटीक व अपने शब्दों में देना।	- भाषाई कौशल - चिंतन कौशल - रचनात्मक कौशल - सहयोगात्मक कौशल - विचारों का संगठन - रचनात्मक लेखन कौशल - व्याकरण शुद्धता। - पठन कौशल, समझ एवं विश्लेषण क्षमता - शब्दार्थ ज्ञान।	- वाक्य में से पदबंध को पहचानना। - उदाहरण विधि द्वारा अभ्यास कार्य। - सामूहिक चर्चा - व्यक्तिगत लेखन। - मौन पठन - प्रश्न-उत्तर चर्चा व लेखन।
2.	JUNE	23	गद्य. २. डायरी का पन्ना संचयन. १. हरिहर काका	- विद्यार्थी ऐतिहासिक घटना और स्वतंत्रता आंदोलन की भावना समझेंगे। - डायरी लेखन की शैली को पहचानेंगे। - विद्यार्थी कहानी का सार समझ सकेंगे। - सामाजिक समस्या(संपत्ति का लालच, बुजुर्गों की स्थिति) को पहचान सकेंगे। - कहानी के पात्रों का विश्लेषण कर सकेंगे।	- पठन व लेखन कौशल - बोध क्षमता व ऐतिहासिक समझ - भाव अभिव्यक्ति - नैतिक मूल्यों का विकास। - पठन व लेखन कौशल - वाचन व समझ कौशल - विश्लेषणात्मक क्षमता - आत्म चिंतन - नैतिक मूल्यों की समझ - सामाजिक संवेदनशीलता	- पाठ वाचन - भूमिका अभिनय - स्वतंत्रता लेखन पर पोस्टर निर्माण। - कहानी वाचन - प्रश्नोत्तर पद्धति - सामूहिक चर्चा - भूमिका अभिनय

			पद्य २. पद (मीरा) व्या. रचना के आधार पर वाक्य रूपांतर समास लेखन. पत्र लेखन	- भक्ति भावना और कृष्ण प्रेम को समझेंगे। - काव्य सौंदर्य की पहचान करेंगे। - सरल, संयुक्त और मिश्र वाक्यों के अंतर को समझ सकेंगे। - समास का अर्थ और परिभाषा समझ सकेंगे। - समास के प्रकार व विश्रह को समझ सकेंगे। - वाक्यों में समास का सही प्रयोग कर सकेंगे। - औपचारिक पत्र के प्रारूप, नियम व उपयोग को समझ सकेंगे। - पत्र लेखन में शुद्ध भाषा, उचित संबोधन और विनम्र शैली का प्रयोग कर सकेंगे।	- भावानुभूति - काव्य विश्लेषण - मूल्य विकास - रचनात्मकता - भाषाई कौशल - चिंतन व रचनात्मक कौशल - सहयोगात्मक कौशल - भाषा व विश्लेषण कौशल - चिंतन एवं समझ कौशल - व्याकरणिक ज्ञान का प्रयोग - शब्दों का संक्षिप्त और प्रभावी प्रयोग। - लेखन कौशल, भाषा शुद्धता - विचार अभिव्यक्ति कौशल - रचनात्मकता व समस्या समाधान क्षमता - सामाजिक जागरूकता	- गीतात्मक वाचन - चर्चा - भजन गायन - मीरा और कृष्ण पर चित्र बनवाना। - सरल वाक्य को संयुक्त और मिश्र वाक्य में बदलना। - वाक्य रूपांतरण का फ्लोचार्ट बनाना। - प्रश्नोत्तर विधि - उद्घरण विधि - समास के प्रकार व उदाहरण का चार्ट बनवाना। - प्रश्नोत्तर व व्याख्यान विधि - छात्र पत्र के प्रारूप का चार्ट बनाकर उसे रंगों और चित्रों से सजाएँगे। - पत्र को सुंदर लिखावट में लिखना।
3.	JULY	26	गद्य ३. ततार्रा वामीरो कथा	- विद्यार्थी लोककथा के संदेश को समझेंगे। - सामाजिक मूल्यों की पहचान करेंगे। - कहानी और मुख्य घटनाओं को समझ पाएँगे।	- विश्लेषण कौशल - संवाद कौशल - पात्रों के गुणों को पहचानना - सामाजिक मूल्यों की समझ विकसित करना।	- कहानी कथन - सामूहिक कार्य - संस्कृति पर चार्ट बनाना।

			४. तीसरी कसम के शिल्पकार-शैलेंद्र पद्य ३. मनुष्यता व्या. मुहावरे लेखन सूचना लेखन	- विद्यार्थी साहित्य और फिल्म के संबंध को समझेंगे। - लेखक के जीवन से प्रेरणा लेंगे। - विद्यार्थी काव्य के मुख्य विचार को समझ सकेंगे। - मानवता, सहानुभूति और परोपकार जैसे मूल्यों को पहचान सकेंगे। - अच्छे आचरण और सामाजिक जिम्मेदारी का महत्व समझ सकेंगे। - विद्यार्थी मुहावरों का अर्थ समझ कर वाक्यों में सही प्रयोग कर सकेंगे। - दैनिक जीवन में प्रयुक्त मुहावरों को पहचान सकेंगे। - अर्थ और उद्देश्य को समझेंगे। - सही संरचना को पहचान कर सही और संक्षिप्त सूचना लिख सकेंगे। - भाषा को स्पष्ट और औपचारिक रूप में प्रयोग कर सकेंगे।	- पठन और चिंतन कौशल - समस्या समाधान क्षमता। - मूल्यबोध - भाषायी कौशल - विचार कौशल: विश्लेषण और तर्क क्षमता - सामाजिक कौशल: नैतिक मूल्यों का विकास - भाषाई व रचनात्मक लेखन कौशल - चिंतन व अभिव्यक्ति कौशल - लेखन व भाषा अभिव्यक्ति कौशल का विकास - रचनात्मक सोच - संप्रेक्षण कौशल - औपचारिक लेखन की समझ - सही शब्द चयन और भाषा के प्रयोग द्वारा सूचना को व्यवस्थित रूप से प्रस्तुत करना।	- व्याख्या व चर्चा - गीत प्रस्तुति - प्रश्नोत्तरी चर्चा - व्याख्यान विधि - पौराणिक कथाओं की प्रस्तुति - स्लोगन लेखन - चर्चा व प्रश्नोत्तर विधि - गतिविधि आधारित शिक्षण - वाक्य निर्माण - प्रश्नोत्तरी चर्चा - विषय प्रस्तुति - समूह में रंगीन चार्ट पर सूचना लिखवाकर प्रदर्शित करवाना।
4.	AUGUST	22	पद्य ४ पर्वत प्रदेश में पावस	कविता का भाव और मुख्य विचार समझ सकेंगे।	- श्रवण व वाचन कौशल - अभिव्यक्ति कौशल - रचनात्मक सोच	- वर्षा व पहाड़ों के चित्र का प्रदर्शन व चर्चा। - व्याख्या विधि

			५. तोप • पर्वतीय प्रदेश में वर्षा ऋतु के सौंदर्य का वर्णन कर चित्रात्मकता और भाषा-शैली को पहचान सकेंगे। • प्रकृति के प्रति संवेदनशीलता विकसित कर सकेंगे। • कविता के भाव को समझकर कवि के संदेश और व्यंग्य को पहचान सकेंगे। • इतिहास और वर्तमान के संबंध को समझ सकेंगे। • अपनी भाषा में कविता का सार लिख सकेंगे।	• कविता की व्याख्या करना • प्रकृति वर्णन की शैली समझना • भावार्थ लिखकर अपने शब्दों में व्यक्त करना। • पठन एवं अभिव्यक्ति कौशल • चिंतन एवं विश्लेषण कौशल • रचनात्मक कौशल • साहित्यिक समझ व आलोचनात्मक सोच को विकसित करना • ऐतिहासिक संदर्भ को समझना	• प्रश्नोत्तर विधि • कविता को चित्र के साथ प्रस्तुत करवाना। • प्रदर्शन विधि • प्रश्नोत्तरी चर्चा • व्याख्या विधि • किले और तोप का चित्र बनवाकर उस पर पंक्तियाँ लिखवाना।
		संचयन २. सपनों के से दिन	• विद्यार्थी बचपन की यादों और अनुभवों को समझ सकेंगे। • लेखक की भावनाओं का विश्लेषण कर सकेंगे।	• पठन व लेखन कौशल • कल्पनात्मक सोच का विकास • बचपन के अनुभवों को साझा कर सकेंगे।	• अनुभव आधारित शिक्षण • चर्चा पद्धति • 'मेरा बचपन' विषय पर चित्र निर्माण व लेखन गतिविधि।
		लेखन, विज्ञापन लेखन	• विज्ञापन का अर्थ और उद्देश्य समझ पाएँगे। • विभिन्न प्रकार के विज्ञापनों की पहचान कर पाएँगे। • प्रभावशाली भाषा और आकर्षक शीर्षक के साथ विज्ञापन लिख सकेंगे।	• रचनात्मक, संक्षिप्त व प्रभावी लेखन कौशल • भाषा अभिव्यक्ति कौशल • कल्पना शक्ति और प्रस्तुति कौशल	• चर्चा विधि • प्रश्नोत्तर विधि • गतिविधि आधारित शिक्षण • दिए गए विज्ञापन को चित्र, रंग व आकर्षक डिजाइन के साथ प्रस्तुत करवाना।
		औपचारिक ई-मेल लेखन	• ई-मेल की संकल्पना और उपयोग को समझ सकेंगे।	• लेखन व संप्रेषण कौशल • डिजिटल साक्षरता • रचनात्मकता	• प्रश्नोत्तर विधि • चर्चा विधि

			विषय संवर्धन गतिविधि	- ई-मेल के विभिन्न भागों की पहचान कर सकेंगे। - दिए गए विषय पर सही प्रारूप में ई-मेल लिख सकेंगे।	- डिजिटल माध्यम से संवाद की प्रक्रिया को समझेंगे। - छात्र सही प्रारूप में प्रभावी ई-मेल लिखने में सक्षम होंगे।	प्रदर्शन व गतिविधि आधारित शिक्षण
5.	SEPTEMBER	20	गद्य ५. अब कहाँ दूसरों के दुख से दुखी होने वाले लेखन, लघुकथा लेखन पुनरावर्तन कार्य	- पाठ का मुख्य भाव और विचार समझ पाएँगे। - समाज में संवेदनशीलता और मानवीय मूल्यों का महत्व समझेंगे। - लेखक के दृष्टिकोण को अपने शब्दों में व्यक्त कर पाएँगे। - लघुकथा की विशेषताओं को समझ सकेंगे। - संक्षिप्त और प्रभावशाली कथा लिख सकेंगे। - उचित भाषा और शैली का प्रयोग करके कल्पनात्मक और रचनात्मकता का विकास कर सकेंगे।	- पठन व श्रवण कौशल - लेखन कौशल - चिंतन एवं अभिव्यक्ति कौशल - मानवीय संवेदनाओं को समझना - सामाजिक मूल्यों का विश्लेषण करना। - रचनात्मक लेखन कौशल - भाषा अभिव्यक्ति कौशल - चिंतन एवं अभिव्यक्ति कौशल - पठन-लेखन कौशल - छात्र कम शब्दों में सारगर्भित विचार प्रस्तुत कर सकेंगे। - घटनाओं को क्रमबद्ध करके लघुकथा का निर्माण कर सकेंगे।	- प्रश्नोत्तर विधि - व्याख्या विधि - चर्चा विधि - पाठ वाचन 'मानवता' पर आधारित कविता लेखन। - कहानी-कथन - छात्र दिए गए विषय पर लघुकथा का निर्माण करेंगे।
6.	OCTOBER	24	गद्य ६. पतझर में टूटी पत्तियाँ	- पाठ की मुख्य भावना और संदेश को समझ सकेंगे। - लेखक के विचारों का विश्लेषण कर सकेंगे। - प्रकृति और जीवन के संबंध को समझ सकेंगे। - अपने विचारों को मौखिक व लिखित रूप में व्यक्त कर सकेंगे।	- पठन व श्रवण कौशल - अभिव्यक्ति कौशल - चिंतन एवं विश्लेषण कौशल - पाठ के माध्यम से जीवन मूल्यों को समझना। - प्रकृति के माध्यम से जीवन की सच्चाइयों का ज्ञान प्राप्त करना।	- प्रदर्शन विधि - प्रश्नोत्तर विधि - व्याख्या विधि - चर्चा व वाचन - छात्र पतझर के मौसम का चित्र बनाकर दो-तीन पंक्तियाँ लिखेंगे।

			७. कारतूस पद्य. ६. कर चले हम फिदा संचयन. ३. टोपी शुक्ला	- पाठ की मुख्य घटनाओं और पात्रों को समझ सकेंगे। - पाठ में निहित देशभक्ति और साहस की भावना को पहचान सकेंगे। - ऐतिहासिक संदर्भ और सैनिकों के बलिदान को समझ सकेंगे। - गीत के भाव और संदेश को समझ सकेंगे। - देशभक्ति और त्याग की भावना को पहचान सकेंगे। - अपने शब्दों में कविता का सार लिख सकेंगे। - पाठ की मुख्य घटनाओं और पात्रों को समझ सकेंगे। - समाज में व्याप्त धर्म और भेदभाव की समस्या को पहचान सकेंगे। - मानवीय मूल्यों जैसे मित्रता, समानता और सहिष्णुता को समझ सकेंगे।	- पठन व श्रवण कौशल - चिंतन और विश्लेषण कौशल - अभिव्यक्ति कौशल - पात्रों के गुणों की पहचान करना - देशभक्ति से जुड़े मूल्यों को समझना। - पठन व श्रवण कौशल - अभिव्यक्ति कौशल - विचारात्मक एवं संवेदनात्मक कौशल - साहित्यिक व राष्ट्रीय मूल्यों की समझ - भावार्थ निकालने की क्षमता - पठन व अभिव्यक्ति कौशल - चिंतन एवं विश्लेषण कौशल - सामाजिक संवेदनशीलता - आलोचनात्मक सोच - सामाजिक समझ व नैतिक मूल्यों का विकास	- चर्चा विधि - प्रश्नोत्तर विधि - व्याख्या विधि - समूह कार्य 'देशभक्ति' पर आधारित कहानी लेखन। - चर्चा व प्रश्नोत्तर विधि - काव्य प्रस्तुतिकरण - व्याख्या विधि - कविता की सामूहिक लघु प्रस्तुति या वाचन। - कहानी कथन - पठन व व्याख्या - चर्चा विधि - मित्रता पर अनुच्छेद लेखन
7.	NOVEMBER	13	पद्य. ७. आत्मत्राण	- कविता का भावार्थ समझ सकेंगे। - आत्मबल, साहस और आत्मनिर्भरता के महत्व को समझेंगे।	- पठन व अभिव्यक्ति कौशल - चिंतन एवं विश्लेषण कौशल - श्रवण कौशल - आत्मबल और साहस पर भरोसा करना सीखना।	- काव्य प्रस्तुतीकरण - व्याख्या विधि - प्रश्नोत्तर विधि - आत्मविश्वास और साहस को

			व्या. पदबंध, वाक्य रूपांतरण, समास व मुहावरे	- कविता के मुख्य विचारों को अपने शब्दों में व्यक्त कर सकेंगे। - मुख्य बिंदुओं को समझ सकेंगे। - वाक्यों में सही व्याकरणिक प्रयोग कर सकेंगे। - भाषा की शुद्धता और स्पष्टता का महत्व समझेंगे।	- दूसरों पर निर्भर रहने की बजाय स्वयं प्रयास करने की प्रेरणा लेना। - भाषाई कौशल - चिंतन कौशल - लेखन और पठन कौशल - भाषा का शुद्ध और प्रभावी प्रयोग करना - वाक्य निर्माण में सही व्याकरणिक नियमों का प्रयोग करना।	- दर्शिता चित्र वर्णन या लघु लेख। - प्रश्नोत्तर विधि - व्याख्या विधि - गतिविधि आधारित शिक्षण - संबंधित अभ्यास कार्य।
8.	DECEMBER	25	पुनरावर्तन	- छात्र सभी पाठों के मुख्य बिंदुओं को दोहरा सकेंगे। - व्याकरणिक नियमों का सही प्रयोग कर सकेंगे। - लेखन कौशल में सुधार प्रदर्शित करेंगे।	- भाषाई दक्षता - चिंतन कौशल - अनुप्रयोग कौशल एवं आत्ममूल्यांकन।	- क्विज़ व प्रश्नोत्तरी द्वारा त्वरित पुनरावृत्ति। - समूह चर्चा व सहकर्मि जाँच। - कार्यपत्रक आधारित अभ्यास। - त्रुटि विश्लेषण।
9.	JANUARY	20	पुनरावर्तन	- छात्र सभी पाठों के मुख्य बिंदुओं को दोहरा सकेंगे। - व्याकरणिक नियमों का सही प्रयोग कर सकेंगे। - लेखन कौशल में सुधार प्रदर्शित करेंगे।	- भाषाई दक्षता - चिंतन कौशल - अनुप्रयोग कौशल एवं आत्ममूल्यांकन।	- क्विज़ व प्रश्नोत्तरी द्वारा त्वरित पुनरावृत्ति। - समूह चर्चा व सहकर्मि जाँच। - कार्यपत्रक आधारित अभ्यास। - त्रुटि विश्लेषण।
10.	FEBRUARY	23	पुनरावर्तन			
11.	MARCH	10		-	-	-

Name of the teacher : Ms Bhanu Sharma

Ms Pranita Gandhe



TAPOVAN INTERNATIONAL SCHOOL

YEARLY SYLLABUS 2026-27

SUBJECT: Artificial Intelligence (417)

Class: X (RED, GREEN, BLUE, YELLOW)

Sr. No.	Month	No. of Working Days	No. & Name of the Chapter / Sub topics	Learning Outcomes	Skill / Competency focused	Pedagogical Strategies with integration of Art/ Sports/ Value Education.
1	APRIL	23	Unit 1: Communication Skills-II - Types of communication - Verbal & non-verbal - Barriers Unit 2: Self-Management Skills-II - Self-awareness - Stress management - Time management	- Understand communication process - Improve speaking & listening - Identify barriers - Apply communication in daily life - Develop self-awareness - Manage stress effectively - Plan daily activities - Build positive attitude	- Communication skills - Confidence building - Active listening - Interpersonal skills Self-discipline - Time management - Emotional control - Responsibility	- Role play activities - Group discussions - Classroom presentations - Real-life communication practice - Yoga & mindfulness - Time-table making - Reflection writing - Value-based discussions
2.	JUNE	23	Unit 3: ICT Skills-II - Digital tools - Internet basics - Cyber safety Unit 4: Entrepreneurial Skills-II - Entrepreneurship - Business ideas - Risk taking	Use ICT tools effectively - Understand internet usage - Identify cyber risks - Practice safe browsing - Understand entrepreneurship - Generate business ideas - Identify opportunities - Develop innovation mindset	- Digital literacy - Technical skills - Cyber awareness - Problem-solving - Creativity - Decision making - Risk assessment - Leadership	Computer lab practice - Online assignments - Safety awareness posters - Demonstrations - Case studies - Idea pitching - Group activities - Real-life examples

3.	JULY	26	Unit 5: Green Skills-II • Environment awareness • Sustainability Unit 4: Entrepreneurial Skills-II • Entrepreneurship • Business ideas • Risk taking Unit 5: Green Skills-II • Environment awareness • Sustainability	• Understand sustainability • Promote eco-friendly habits • Identify environmental issues • Take responsible actions • Understand entrepreneurship • Generate business ideas • Identify opportunities • Develop innovation mindset	• Environmental awareness • Responsibility • Critical thinking • Social awareness • Creativity • Decision making • Risk assessment • Leadership • Understand sustainability • Promote eco-friendly habits • Identify environmental issues • Take responsible actions	Plantation drives • Poster making • Eco-projects • Awareness campaigns • Case studies • Idea pitching • Group activities • Real-life examples • Environmental awareness • Responsibility • Critical thinking • Social awareness • Plantation drives • Poster making • Eco-projects • Awareness campaigns
4.	AUGUST	22	Unit 1: AI Project Cycle & Ethics • Problem scoping • Data collection • Ethics in AI Unit 2: Advanced Modeling • AI models • Training & testing	• Understand AI lifecycle • Identify real-world problems • Learn model development • Understand ethical concerns	• Analytical thinking • Logical reasoning • Ethical awareness • Problem-solving	• Project-based learning • Case study discussions • AI simulations • Group projects
5.	SEPTEMBER	20	Unit 3: Evaluating Models • Accuracy • Confusion matrix	• Evaluate AI models • Interpret results • Understand statistical concepts • Apply data analysis	• Data interpretation • Critical thinking • Analytical skills • Decision making	• Data analysis tasks • Graph activities • Practical exercises • Peer learning

			Unit 5: Computer Vision • Image processing • Applications	• Understand image recognition • Learn real-life applications • Identify AI usage • Build conceptual clarity	• Observation skills • Application skills • Technical understanding • Creativity	• Image-based projects • Demonstrations • Activity-based learning • Group discussions
6.	OCTOBER	24	Unit 6: Natural Language Processing • Text processing • Chatbots	• Understand NLP basics • Learn chatbot working • Apply language models • Explore AI tools	• Language skills • AI application • Logical thinking • Innovation	• Chatbot creation • Language activities • Practical work • Interactive sessions
7.	NOVEMBER	13	Unit 4: Statistical Data and Python programming	Understand statistical concepts • Apply data analysis	Data interpretation • Critical thinking • Analytical skills • Decision making	Data analysis tasks • Graph activities • Practical exercises
8.	DECEMBER	25	Revision & Pre-Board Preparation • Sample Papers • Important Programs • Viva Practice	Students will consolidate all concepts	Exam readiness, confidence	Mock tests, doubt-solving sessions
9.	JANUARY	20	Practical Examination Preparation Revision & Pre-Board Preparation			
10.	FEBRUARY	23	Revision & Pre-Board Preparation			
11.	MARCH	10	ANNUAL EXAMINATION			