

CARMEL CONVENT SR SEC SCHOOL, RATANPUR YEAR PLANNER:2026-27

CLASS : XII(ABCD)

SUBJECT: PHYSICAL EDUCATION

MONT H	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES/ ASSESSMENT/PRAC TICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	Unit 1 Management of Sporting Events 1. Functions of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling) 2. Various Committees & their Responsibilities (pre;during & post) 3. Fixtures and their rocedures – Knock- Out (Bye & Seeding) & League (Staircase, Cyclic, Tabular method) and Combination tournaments. 4. Intramural & Extramural tournaments – Meaning, Objectives & Its Significance 5. Community sports program (Sports Day, Health Run, Run for Fun, Run for Specific Cause & Run for Unity)	200 min	After completing the unit, the students will be able to: * Describe the functions of Sports Event management * Classify the committees and their responsibilities in the sports event * Differentiate the different types of tournaments. * Prepare fixtures of knockout, league & combination. * Distinguish between intramural and extramural sports events * Design and prepare different types of community	Case study of a school sports day; prepare step-by-step event plan; role-play different management functions; worksheet. Prepare fixtures for class competitions; solve worksheet problems on bye and seeding; create sample tournament charts.	Create a flowchart showing the five functions of sports event management with examples. Design an “Event Committee Chart” showing roles and responsibilities at different stages. Draw fixture charts for knock-out,	Understanding event management process, planning and organizational skills, leadership, decision-making. Teamwork, responsibility sharing, coordination, communication skills, organizational awareness.
APRIL	Unit 6 Test & Measurement in Sports 1. Fitness Test – SAI Khelo India Fitness Test in school: Age group 5-8 years/class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility	120 min	After completing the unit, the students will be able to: * Perform SAI Khelo India Fitness Test in school [Age group 5-8 years/ (class 1-3) and Age group 9-18yrs/ (class 4-12) * Determine physical fitness Index through Harvard Step Test/Rock- port Test * Compute Basal Metabolic Rate (BMR) * Describe the procedure of Rikli	Conduct fitness tests in school: BMI calculation, Flamingo Balance Test, Plate Tapping Test (5–8 yrs), and 50 m speed test, 600 m run/walk, Sit & Reach, Push-ups/Modified Push-ups, Partial Curl-ups (9–18 yrs);	Create a “Fitness Test Record Card” or illustrated chart showing all tests with diagrams. Draw a flowchart showing steps of Harvard Step Test with formula explanation. Create a chart showing all six tests with	Understanding fitness components, practical testing skills, self-assessment, physical awareness. Cardiovascular fitness understanding, data calculation, analytical thinking, health awareness. Numerical reasoning, understanding

	test, Strength Test(Partial Abdominal Curl Up, Push-Ups for boys, Modified Push-Ups for girls) 2. Measurement of Cardio-Vascular Fitness – Harvard Step Test – Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise. 3. Computing Basal Metabolic Rate (BMR) 4. Rikli & Jones – Senior Citizen Fitness Test • Chair Stand Test for lower body strength • Arm Curl Test for upper body strength • Chair Sit & Reach Test for lower body flexibility • Back Scratch Test for upper body flexibility • Eight Foot Up & Go Test for agility • Six-Minute Walk Test for Aerobic Endurance 5. Johnsen – Methney Test of Motor Educability (Front Roll, Roll, Jumping Half-Turn, Jumping full-turn		and Jones - Senior Citizen Fitness Test	record and compare results. Demonstrate and simulate tests: Chair Stand, Arm Curl, Chair Sit & Reach, Back Scratch, 8-Foot Up & Go, 6-Minute Walk; analyze fitness components	illustrations and fitness components.	metabolism, health and nutrition awareness. Motor coordination, agility, learning ability, body control, skill acquisition. Numerical reasoning, understanding metaboli
JUNE	UNIT-4 Physical Education and Sports for CWSN (Children with Special Needs – Divyang 1. Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics) 2. Concept of Classification and Divisioning in Sports. 3. Concept of Inclusion22 Physical Education Syllabus 2024-25 in sports, its need, and Implementation; 4. Advantages of Physical Activities for children with special needs.	120 min	After completing the unit, the students will be able to: * Value the advantages of physical activities for children with special needs * Differentiate between methods of categorization in sports for CWSN * Understand concepts and the importance of inclusion in sports * Create advantages for Children with Special Needs through Physical Activities * Strategies physical activities	Group presentation on each organization; video-based learning of events; quiz competition; discussion on famous athletes. Activity-based grouping of students based on abilities; simulation games showing classification;	Create posters or charts showing the structure and achievements of Special Olympics, International Paralympic Committee, and Deaflympics.	Awareness of inclusive sports systems, global sports knowledge, empathy, communication skills. Empathy, social responsibility, inclusivity, ethical understanding, teamwork.

	5. Strategies to make Physical Activities assessable for children with special needs		accessible for children with specialneeds	worksheet exercises.		
JULY	UNIT-8 Biomechanics and Sports 1. Newton’s Law of Motion & its application in sports 2. Types of Levers and their application in Sports. 3. Equilibrium –Dynamic & Static and Centre of Gravity and its application in sports 4. Friction & Sports 5. Projectile in Sports	160 min	After completing the unit, the students will be able to: * Understand Newton’s Law of Motion and its application in sports * Recognize the concept of Equilibrium and its application in sports. * Know about the Centre of Gravity and will be able to apply it in sports * Define Friction and application in sports. * Understand the concept of Projectile in sports.	Demonstration of laws using running,jumping,th rowing activities; video analysis of sports movements; worksheet-based questions Practical demonstration using body movements (biceps curl, jumping, throwing).	Create an illustrated chart showing Newton’s 3 Laws with sports examples (e.g., football kick, sprint start). Draw diagrams showing first, second, and third class levers with sports .	Understanding force and motion, application of physics in sports, analytical thinking. Balance control, body awareness, understanding stability and movement efficiency.
JULY	UNIT-10 Training in Sports 1. Concept of Talent IdentificationandTalent DevelopmentInSports 2.IntroductiontoSports TrainingCycle–Micro,Meso,Macro Cycle. 3.Types&MethodstoDevelop– Strength, Endurance,andSpeed. 4.Types&MethodstoDevelop– Flexibility and Coordinative Ability. 5.CircuitTraining Introduction&itsimportance	120 min	. After completing the unit, the students will be able to: * understand the concept of talent identification and methods used for talent development in sports * Understand sports training and the different cycle used in the training process. * Understand different types & methods to develop -strength, endurance, and speed in sports training.	Identify physical and skill-related abilities among students through simple fitness and skill tests; discuss characteristics of talented athletes; case studies of successful sportsperson	Create a "Talent Development Pathway" chart showing stages from identification to elite performance Design a colorful training calendar illustrating Micro, Meso,	Planning and organizational skills, understanding periodization, time management Planning and organizational skills
AUG	UNIT-2 Children & Women in Sports 1. Exercise guidelines of WHO for different age groups.	120 min	After completing the unit, the students will be able to: * Differentiate exercise guidelines for different stages of growth and development. * Classify common postural	study and discuss recommended physical activity levels for children, adolescents, adults, and older adults;	Design an infographic showing age-wise exercise recommendations and benefits. Draw labeled diagrams of postural deformities	Health awareness, understanding fitness requirements, lifestyle management skills. Posture awareness, health education, observation skills,

	2. Common postural deformities- knockknees, flatfoot, round shoulders, Lordosis, Kyphosis, Scoliosis, and bow legs and their respective corrective measures. 3. Women's 18 Physical Education Syllabus 2024-25 participation in Sports- Physical, Psychological, and social benefits. 4. Special consideration (menarche and menstrual dysfunction) 5. Female athlete triad (osteoporosis, amenorrhea, eating disorders).		deformities and identify corrective measures. * Recognize the role and importance of sports participation of women in India. * Identify special considerations relate to menarche and menstrual dysfunction. * Express female athlete triad according to eating disorders.	prepare fitness schedules, Group discussion on women athletes and their achievements; presentation on benefits of sports participation; case study analysis.	and corresponding corrective exercises. Prepare an awareness poster showing causes, effects	preventive healthcare knowledge. Health literacy, self-awareness, scientific understanding.
AUG	UNIT-3 Yoga as Preventive measure for Lifestyle Disease 1. Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha –Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhanpranayama. 2. Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati. 3. Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasan-	160 min	After completing the unit, the students will be able to: * Identify the asanas beneficial for different ailments and health problems. * Recognize importance of various asanas for preventive measures of obesity, diabetes, asthma, hypertension, back pain and arthritis * Describe the procedure for performing a variety of asanas for maximal benefits. * Distinguish the contraindications associated with performing different asanas. * Outline the role of yogic management for various health benefits and preventive measures	Demonstration and practice of prescribed asanas; prepare a chart showing procedures, benefits, and contraindications; practical assessment of posture and technique. Guided yoga sessions; maintain a yoga practice journal; group presentation on Yoga and diabetes management. Practice relaxation-based asanas and pranayama; monitor pulse rate before and after sessions; reflective diary writing.	Create illustrated yoga posture charts highlighting obesity management through Yoga. Prepare a flowchart linking specific yoga practices with their health benefits for diabetes. Design posters showing respiratory benefits of Yoga for asthma management. Draw and label yoga postures beneficial for spine and joint health. Design posters showing respiratory benefits of Yoga for asthma management.	Awareness of obesity prevention, correct yoga practice, fitness management, self-discipline. Understanding preventive healthcare, health awareness, regular exercise habits, concentration. Breathing control, respiratory health awareness, mindfulness, self-regulation. Stress management, emotional control, relaxation skills, healthy lifestyle awareness.

	a, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma. 4. Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakransan, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, Uttan Mandukasan-a, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi-shodhanapranayam, Sitlipranayam. 5. Back Pain and Arthritis: Procedure, Benefits & Contraindications of adasan, Urdhawahastootansana, Ardh-Chakrasana, Ushtrasana, Vakrasana, Sarala Maysyendrasana, Bhujandgasana, Gomukhasana, Bhadrasana, Makarasana, Nadi-Shodhana pranayama.			Demonstration of posture-correcting exercises; practical assessment of flexibility and technique; discussion on joint health.		
SEP	Unit 7 Physiology & Injuries in Sport 1. Physiological factors determining components of physical fitness 2. Effect of exercise on the Muscular System 3. Effect of exercise on the Cardio-Respiratory System 4. Physiological changes due to aging 5. Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain Bone & Joint Injuries- Dislocation, Fractures – GreenStick, Comminuted, Transverse Oblique & Impacted)	200 min	After completing the unit, the students will be able to: * Recognize the physiological factors determining the components of physical fitness. * Comprehend the effects of exercise on the Muscular system and cardiorespiratory systems. * Figure out the physiological changes due to ageing * Classify sports injuries with its Management.	Discuss factors affecting strength, speed, endurance, flexibility, and coordination; fitness assessment activities; worksheet and quiz. Observe muscle fatigue before and after exercise;.	Create a concept map showing physiological factors influencing physical fitness components. Draw and label major muscle groups and illustrate exercise	Understanding fitness determinants, scientific thinking, health awareness, analytical skills. Knowledge of muscular adaptations, body awareness, observation
OCT	Unit 5 Sports & Nutrition	120 min	After completing the unit, the students will be able to: * Understand the concept of a	Prepare a one-day balanced diet chart for different age	Create a colorful food plate model or poster	Understanding of healthy eating, nutrition awareness, decision-

	1. Concept of balanced diet and nutrition 2. Macro and Micro Nutrients: Food Sources & functions 3. Nutritive & Non-Nutritive Components of Diet 4. Eating for Weight control – A Healthy Weight, The Pitfalls of Dieting, Food intolerance 5. Importance of Diet in Sports-Pre, During and Post competition Requirements		balanced diet and nutrition. Classify Nutritive and Non-Nutritive components of the Diet * Identify the ways to maintain a healthy weight * Know about foods commonly causing food intolerance * Recognize the pitfalls of dieting and food myth	groups and athletes; group discussion on healthy eating habits; quiz on nutrition basics. worksheet and presentation on functions of carbohydrates.	showing components of a balanced diet. food sources and functions of macro and micronutrients.	making for healthy lifestyles. Knowledge of nutrients, scientific .
OCT	UNIT-9 Psychology and Sports 1. Personality; its definition & types (Jung Classification & Big Five Theory) 2. Motivation, its type & techniques. 3. Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it 4. Meaning, Concept & Types of Aggressions in Sports 5. Psychological Attributes in Sports – Self-Esteem, Mental Imagery, Self-Talk, Goal Setting	120 min	After completing the unit, the students will be able to: * Classify different types of personality and their relationship with sports performance. * Recognise the concept of motivation and identify various types of motivation. * Identify various reasons to exercise, its associated benefits and strategies to promote exercise adherence. * Differentiate between different types of aggression in sports. * Explain various psychological attributes in sports.	Conduct personality self-assessment questionnaires; group discussion on personality traits of successful athletes; worksheet activities. identify intrinsic and extrinsic motivation in sports scenarios; role-play motivational situations.	Create personality trait charts or mind maps illustrating Jung's personality types and the Big Five traits. Design motivational posters or quote boards for athletes.	Self-awareness, understanding individual differences, analytical thinking, interpersonal skills. Goal orientation, self-motivation, positive attitude, performance enhancement skills.
NOV	REVISION					

NAME OF INCHARGE TEACHERS:- ASHOK VISHWAKARMA , ANAMIKA SINGH

SIGNATURE OF COORDINATOR :- _____

SIGNATURE OF PRINCIPAL: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27,

CLASS - XII

SUBJECT- ENGLISH

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/ PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	THE LAST LESSON	4.5 hrs	Recognize the significance of one's language and identity; Reflect on the emotional impact of language loss.	ALS	ART INTEGRATED LEARNING PROJECT Make a collage /ppt/ video on any one of the following, supporting it with pictures and sketches	Value of one's mother tongue; Empathy for people under cultural oppression; Awareness of linguistic identity and nationalism.
	MY MOTHER AT SIXTY-SIX	2.25 hrs	Interpret themes of ageing, fear and attachment; Appreciate use of imagery and poetic tone.		Take ideas from 'Lost Spring 'or ' On the Face of It'. 1)Child Labour –condition in my city and ways of combating it	Understanding emotions of ageing and separation; Sensitivity to familial bonds and impermanence.
	NOTICE WRITING	2.25 hrs	Structure short informative content with clarity; Use correct format, tone and style.		2)Differently-abled people who emerged as achievers defying all the odds that life threw at them. (any one)	Precision and clarity in short informative writing; Understanding of format and tone.

	THE THIRD LEVEL	4.5 hrs	Identify psychological responses to stress and war; Differentiate between fantasy and reality.			Exploring psychological escapism and anxiety; Understanding blending of fantasy and reality.
	LOST SPRING	4.5 hrs	Interpret social issues like poverty and child labour; Develop empathy for marginalized communities			Sensitivity toward social injustice and child labour; Awareness of economic disparity; Critical thinking about societal roles.
JUNE	THE TIGER KING	6 hrs	Understand satire and critique of power; Analyze environmental and moral themes			Critiquing power, pride, and ecological irresponsibility; Understanding irony and satire
	ARTICLE WRITING	4.5 hrs	Express opinions and ideas logically and coherently; Organize content with introduction, body, and conclusion.			Structuring coherent and impactful content; Encouraging informative and persuasive writing.

	READING COMPREHENSION	2.25 hrs	Extract specific and implied information from texts; Develop inferential and analytical reading			Enhancing inferential and analytical reading skills; Identifying tone, purpose, and context.
	KEEPING QUIET(Poem)	2.25 hrs	Understand the value of silence and self-reflection; Analyze poetic devices like symbolism and paradox.			Encouraging introspection and self-awareness; Fostering global peace and environmental mindfulness
JULY PT 1 1.The Last Lesson 2.My Mother at Sixty -Six 3.The Third Level	DEEP WATER	4.5 hrs	Identify personal fears and reflect on overcoming them; Appreciate perseverance and self-discipline.			Recognizing the importance of determination and courage; Overcoming fear through self-belief.
	INVITATION	6 hrs	Draft appropriate invitations with relevant details; Differentiate tone based on formality.			Using appropriate format and polite tone; Communicating event details effectively.

	JOURNEY TO THE END OF THE EARTH	4.5 hrs	Appreciate Earth's geological and environmental diversity; Understand the urgency of climate change awareness.			Awareness of climate change and Earth's history; Encouraging scientific temperament.
	A THING OF BEAUTY	2.25 hrs	Appreciate the healing power of beauty; Understand poetic structure and literary devices.			Appreciation of beauty as a source of hope; Understanding poetic devices (imagery, metaphor)
	THE RATTRAP	6 hrs	Analyse themes of redemption and human kindness; Understand the metaphor of life as a rattrap			Understanding the human need for kindness and redemption; Development of empathy and compassion.
AUGUST	LETTER TO EDITOR	4.5 hrs	Present views and arguments logically; Structure a formal letter with clarity			Presenting logical arguments and opinions; Developing persuasive writing skills
	THE ENEMY	6 hrs	Analyse conflict between nationalism and humanity;			Understanding moral conflict between duty and humanity;

			Reflect on moral dilemmas in war			Sensitivity to war-time ethics
	READING COMPREHENSION	2.25 hrs	Extract specific and implied information from texts; Develop inferential and analytical reading			Enhancing inferential and analytical reading skills; Identifying tone, purpose, and context
	A ROADSIDE STAND (POEM)	2.25 hrs	Identify rural challenges and social injustice; Analyse the poet's concern for economic disparity.			Sensitivity to the rural-urban divide; Empathy for the marginalized.
	INDIGO	6 hrs	Evaluate the significance of leadership and moral courage; Understand historical movements like Champaran.			Understanding Gandhian principles and leadership; Value of non-violent protest for social reform
	APPLICATION FOR JOB	4.5 hrs	Present qualifications and experience effectively; Use formal tone and persuasive language			Structuring formal content professionally; Expressing intent and qualifications persuasively
SEPTEMBER TERM 1 (All topics)	ON THE FACE OF IT	6 hrs	Understand disability, prejudice, and acceptance; Analyse how perception shapes relationships			Breaking stereotypes about physical disability; Fostering

covered from April to August)						self-worth and human connection.
	REPORT WRITING	4.5 hrs	Present factual information clearly and sequentially; Use passive voice, objectivity, and formal tone			Organizing factual information logically; Maintaining objectivity and clarity
OCTOBER	POETS AND PANCAKES	6hrs	Understand autobiographical and workplace narratives; Identify satire and irony in the entertainment industry			Awareness of gender roles and industry hierarchy; Understanding autobiographical narratives
	THE INTERVIEW-I, THE INTERVIEW II	6 hrs	Examine the purpose and impact of interviews; Understand varied viewpoints on the art of interviewing.			Developing critical understanding of media ethics; Analytical skills for evaluating personal narratives.
	MEMORIES OF CHILDHOOD	6 hrs	Recognize social injustices like caste and racism; Appreciate autobiographical voices of protest			Raising awareness of casteism and racism; Understanding autobiographical

						resistance and empowerment
	GOING PLACES	3 hrs	To recognize the gap between reality and imagination			Dreams vs. reality/ societal expectations and limitations/ the power of imagination
NOVEMBER TERM 2 (FULL SYLLABUS)	AUNT JENNIFER'S TIGERS(Poem)	2.5 hrs	Explore themes of gender roles and resistance; Interpret symbolism in the poem.			Awareness of gender inequality and artistic expression; Understanding symbolism and feminist themes.
			REVISION & PRE BOARD			
	PRACTICE OF ALS	4.5 hrs				
	REVISION	6.75 hrs	REVISION			
DECEMBER			PRE BOARD PRACTICAL EXAM			
		6 hrs	REVISION			
JANUARY			PRE BOARD EXAM			

		4.5 hrs	ALS			
FEBRU ARY		BOARD	EXAM			

Name of In-charge Teacher: JECY ABRAHAM

Signature of Coordinator: _____

Signature of Principal: _____

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CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27 ,

CLASS - 12

SUBJECT- PHYSICAL ACTIVITY TRAINER

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICSALLOTTED	TIME	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	Unit -1: Communication Skills -III	80 minutes	1. Describe the steps to active listening skills 2. Demonstration basic writing skills	1. Preparing posters of steps for active listening. 2. Demonstration and practice of writing sentences and paragraphs on topics related to the subject	Visual & non- verbal expression.	Active listening, clarity and conciseness,non-verbal communication and feedback.
June	Unit - 2 Self Management Skills - IV	80 minutes	1. Describe the various factors influencing self motivation 2. Describe the basic personality traits,types and disorders.	1. Group discussion on identifying needs and desire. 1. Demonstrate the knowledge of different personality types.	Self motivation and goal setting	Self discipline, time management, stress management,goal setting and decision making.
July	Unit -3 Information and Communication Technology skills -IV	80 minutes	1. Perform tabulation using spreadsheets application. 2. Prepare presentation using presentation application.	1. Creating a new worksheet and sorting and filter the data. 2. Creating a new presentation and deleting a slide.	Digital creation & manipulation.	Basic hardware usage, file and data management, software online safety & Ethics.
July	Unit - 4 Entrepreneurial skills -IV Unit - 5 Green skills -IV	80 minutes	1. Identify the general and entrepreneurial behavioural competencies. 2. Demonstrate the knowledge of self assessment of behavioural competencies.	1. Prepare posters on green jobs.	Resource management & budgeting. -----	Business management, personal entrepreneur, technical & relational competencies.

October	Unit - 4 Health and hygiene in Play area	80 minutes	1. Demonstrate knowledge about player's health and hygiene 2. Describe the hygiene and health in play area	1. Prepare chart on general hygiene and sanitation rules. 2. Write a paragraph about importance of Play area inspection.	Glow- garm paint activity.	Personal hygiene skills, sanitation and environmental maintenance, food and drink safety.
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Name of Incharge Teachers: -Ashok Kumar Vishwakarma, Anamika singh

Signature of Coordinator: - Ashok Kumar Vishwakarma

Signature of Principal: _____

MONTH	NAME OF THE UNIT/CHAPTER AND SUB TOPICS	TIME ALL OTTED FOR EACH UNIT	LEARNING OUTCOMES	SUGGESTED ACTIVITIES/ ASSESMENT/ PRACTICALS	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	PART A: Unit I- Communication skills-IV Unit II – Self management Skills -IV – Enterpreneural skills-IV PART B: Unit I : Python programming -II	8	Speak clearly and confidently in different situations...Listen actively and understand others' ideas and feelings... Set personal goals and prioritize tasks to achieve them, manage time, demonstrate self-discipline, handle stress and emotions etc. Understanding basic concepts of starting and managing a business..demonstrating risk taking and leadership qualities.	Setting short term goals, time management practice- using planners or to-do list, practicing yoga, meditation, balanced diet with proper sleep...	Draw a tree with roots having discipline, good sleep, healthy food...trunk write the strengths – punctual, hardworking, responsible etc. Branches: mention the goals Leaves and fruits : add achievements To implement Linear regression algorithm Dataset	Use Python's built-in file handling functions. Implement functions to add, view, modify and search in a nd array Use functions to draw shapes and patterns (squares, triangles, circles etc.)
JUNE						
JULY	Part A: Unit 3 : Information and communication Technology skills-IV Unit 5 : Green Skills -IV	12	Use digital devices confidently and responsibly.access, evaluate and use information effectively from the internet. Understand and practice cyber safety and digital etiquette Protecting environment for the future generations	Open the spreadsheet with data entered into it. How can one quickly move the active cell to one page downwards? Rather than downwards or	Experient in the slide sorter view of impress, how to copy slides and how to move slides. Using the Ctrl key to move slides will copy the slides.	Water conservation, Green tourism, Green Job (green skills....environment sustainability)

				upwards can one move the active cell rightward or leftward without using the arrow keys?		
AUGUST	Part B: Unit 2:Data Science methodology . Understanding D.S. methodology . Steps of D.S. methodology - More about Model Validation Techniques - The Model performance Evaluation Metrics Unit 3 :Making machines see • Computer vision • Process • Application • Challenges • Future of computer vision	12	From Problem to Approach – Incorporating data science methodology into a capstone project provides structure, rigor and increases the likelihood of a successful outcome. Working with digital images Apply image processing techniques Use libraries and tools	Pavan visited a food festival and wants to sample various cuisines. But due to health concerns, he has to avoid certain dishes. However, since the dishes were not categorized by cuisine, he found it challenging and wished for assistance in identifying the cuisines offered...	Data Science methodology – a process with a prescribed sequence of interactive steps that data scientists follow to approach a problem and find a solution. The five module diagram explaining the rationale as to why each stage is required. Creating images using 0s and 1s	Business Understanding /Problem definition Analytic approach Descriptive Analytic Diagnostic Analytics Predictive Analytics Prescriptive Analytics

Sep tem ber	Part B : Unit 4 : Data Mining - Understanding D.M. - Navigate the interface and learn about the components of Orange D.M. Tool - Know about the beneficiaries of O.D.M. Tool - Apply Orange to Data Science, Computer Vision and NLP Unit 5 : Big Data and Data Analytics - Understanding Big Data - Types of Big Data - Characteristics of Big Data - Data Analytics	12	- Understand the concept - Identify types of Data : - Perform Data preprocessing - Apply Data Mining technique Use tools and software such as RapidMiner, WEKA or python libraries - Interpret patterns and results - Develop analytical thinking - Follow ethical and legal practices	To predict whether a student will pass or fail a class based on their study habits and previous grades using Orange Data Mining Tool.	Install image Analytics Add-On: Example Scenarios Import Images Image visualization Image embedding Computing similarities	Concept of Data Mining, Orange as a programming tool, Orange's widgets, Add-Ons, Sample workflows, Image classification, NLP etc
OCTO BER	Unit 6 : Neral Network - Structure - Components - Types - Applications - Working Unit 7: Generative AI - Its working - Discriminative models - Application - Understang Large Language Models (LLM) - Ethical implications of Generative AI	12	Demonstartion of train-test split in Linear regression using python. - Chatbot using Google Gemini API - Orange Data Mining for Data Analytics - Classification problem using TensorFlow playground - Regression problem using Tensorflow playgroung - Linear and Non-Linear relationship - Training and Observation	Capstone Project : Python code to create a Pandas DataFrame using any sequence data type - Display the DataFrame - Display the first 5 records - Display the last 10 records - Display the number of missing values in the Data set.	Diagramitacally differentiating Biological Neuron versus Artificial Neural Network.	The art of conveying events, ideas, messages through a narrative... The practice of building a narrative around a set of data and its accompanying visualization to help convey the meaning in a powerful manner.

NOV EMB R	Unit 8: Data Storytelling • Benefits of storytelling • Appreciate the role of data storytelling, data science etc • Combining • Gain skills to draw insights FULL SYLLABUS	5	The graphical representation of data, such as charts, graphs and maps. It helps data more accessible and understandable. Data Visualization is a key component of Data Storytelling.	Chatbot using Google Gemini API	Data storytelling combines data, visuals, and narrative to effectively present complex information	Creating simple narrative which is hidden in the data to be communicated to the audience.
DECEMBER	FULL SYLLABUS		Term-II Pre-Board			

SIGNATURE OF SUBJECT CORDINATOR: Lata Iyer

NAME OF INCHARGE TEACHERS: Lata Iyer

SIGNATURE OF PRINCIPAL:

MONTH	NAME OF THE UNIT/CHAPTER AND SUB TOPICS	TIME ALL OTTED FOR EACH UNIT	LEARNING OUTCOMES	SUGGESTED ACTIVITIES AND ASSESMENT/ PRACTICALS	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	Computational Thinking and Programming Revsn. of Python topics covered in class XI Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope) Python Libraries: What is Library? Importing Modules in a Python Program. Using standard Python Library's Functions and Modules. Creating a Python Library. Data File Hnadling : Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths	20	Large programs are difficult to manage...therefore it is broken down into smaller units known as functions. which is a named unit of a group of program statements. This unit can be invoked from other parts of the program. Students learn how a data is stored in a file thru python program and the different operations implemented on the data file. Students learn to store information permanently. Database programs create files of information; compilers read source files and generate executable files. So it is the files that are mostly worked with, inside program. A file is buch of bytes stored on same storage device like hard-disk, thumb-drive etc.	Create a digital gallery using Python's file handling capabilities. Store and display artwork information in a file Use Functions to create reusable and modular code.	How are objects stored in lists and dictionaries different? What is the length of tuple shown below: t=((('a',1),'b','c'),'d',2), 'e', 3) write a program that rotates the elements of a list so that element at the first index moves to the second index, the element at the second index moves to the third index ...etc and the last element moves to the first index. Write a program create a data file and then modify the name of rollno 12 as Gurnam in file stu.dat. Display the records of the file stu.dat, which	Use Python's built-in file handling functions. Implement functions to add, view, modify and search data from any file like Binary, Text or CSV. Use functions to draw shapes and patterns (squares, triangles, circles etc.)
JUNE	Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods,					

	manipulation of data in a text file Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file				has been modified. Read the last 15 bytes from a text file.	
JULY	Data File handling continued CSV file: import csv module, open / close csv file, write into a csv file using csv.writerow() and read from a csv file using csv.reader()	10	Csv module of Python provides functionality to read and write tabular data in csv format. The 2 specific types of objects – reader and writer used for reading and writing into csv files. Learning how to deal with some contradictory or unexpected situation or in short, an error that is unexpected.	Create a CSV file to store information about art pieces, including : Title, Artist, Medium, Year created and price.	Program to create a CSV file to store student data(Rollno,Name, marks). Obtain data from the user and store random number of records.... Program to handle multiple exceptions	Knowing the different file modes and when to use them ('r','w','a') Knowing how to read and write in a CSV file.
AUGUST	Data Structure • Elementary Data representation • Different Data Structures ◦ Linear Lists Arrays ◦ Stacks ◦ Queues ◦ Linked Lists ◦ Trees • Operations on Data Structures ◦ Stacks • Implementing Stack in Python ◦ Stack Applications	30	Students learn the difference between Raw data and Data Item..types of structures...designing data structures and the operations applied on data structures. It is the physical implementation that clearly defines a way of storing, accessing, manipulating data stored in a data structure. The working of STACK data structure using Last In First Out principle.	Create a program that allows users to : • Add Art pieces to a stack (push operation) • Remove art pieces from the stack (pop operation) • View the top art piece(peek operation)	Write a program to implement the following operations in the following stack: Each node of the stack contains : Pin code of a city and Name of the city. (a) PUSH()- to push a node in the stack (b) POP() To remove a node from the stack	Knowing how to implement common data structures such as lists, tuples, dictionaries, sets and stacks. Understanding the different trade-offs between different data structures.

Sep tem ber	Database management : Database Concepts Relational data model Simple queries in SQL Table creation and Data Manipulation commands Grouping Records, Joins in SQL Interface Python with MySQL Introduction Connecting to MySQL from Python Parameterised queries Performing Insert and Update Queries	20	Learning about database which is the repository of information needed in running certion functions in a corporation or organization. Which permits retrieval of data but also modification of data needed for control of operations	Create a database to store information about art pieces, including : Title, Artist, Medium, Year created and price.	Why are foreign keys allowed NULL values? Explain. Compared to a file system, how does a database management system avoid redundancy in data through a database.	Knowing the basic concept of databases such as relational databases, NoSQL databases and database design. Understanding the importance of database management in software sevelopment.
OCTO BER	Computer Networks – I • Introduction • Computer Networks – An introduction • Types of Networks • Evolution of Networking • Switching Techniques • Data Communication Terminologies • Transmission Media • Network Topologies • Identifying nodes on a Computer Network.	20	Making the students understand that connections among humans make human network and connections among computers make computer network. There are ways of connecting one computer to another so also the placement of the systems i.e. the distance the the way communication takes place is an important part of study.	Create a server program that acts as the central hub for the art galleries. Allow art galleries to : Send msgs to each other Share information about art pieces Request information from others	Your school administration wants to upload an excel file having about 100 worksheets at the rate of 10 sheets per 20 seconds. What will be the required data rate of the channel? (Assume that every sheet has a standard size of 4800bts	Knowing concepts of computer networking such as : Network Protocols (TCP/IP, HTTP, FTP rtc.) Network Architecture Network devices (Router, switches etc.)

NOV EMB R	Computer Networks – II • Network Devices • Network Protocols • Wireless/Mobile Computing Technologies • Internetworking Terms and Concepts • Network Security Concepts	5	Learning about the various and most prevalently used Network devices, various network protocols and related communication technologies		What is a modem, Ethernet card, RJ-45, Hub, Witch, Bridge, Router Gateway, Host... and other list of abbreviations	Key concepts: Network protocols Socket programming Network architecture Error handling Network Security
DECEMBER	FULL SYLLABUS		Term-II			
JANUARY	FULL SYLLABUS		Pre-Board			

SIGNATURE OF SUBJECT CORDINATOR: Lata Iyer

NAME OF INCHARGE TEACHERS: Lata Iyer

SIGNATURE OF PRINCIPAL:

CLASS : XII

SUBJECT: ECONOMICS

MON TH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED FOR EACH UNIT	LEARNING OUTCOMES	ART INTEGRATED ACTIVITY/ART INTEGRATED PROJECT	KEY COMPETENCIES TO BE ACHIEVED.
APRI L	UNIT 1 10 marks National Income	17.5 Hrs	Solve Numericals on National Income , Price Index. State Precautions on Methods of Calculating National Income	Project Work	Development of Problem solving through case based questions
	UNIT 2 6 marks Money & Banking	15.5 Hrs	State the functions of Money and Banks Students will be able to solve numericals based on the topics covered,	Project Work	Advancement of Imagination and creativity through art integrated activities in regarding Money and Banking
	UNIT 4 6marks Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; Classification of expenditure – revenue	16.5 Hrs	Explain the objectives of Budget Solve numericals on Budget Identify Capital Receipts , Revenue Receipts, Capital Expenditure , Revenue Expenditure	Project Work	Numeracy and Collaboration during solving numericals in the class room

CLASS : XII

SUBJECT: ECONOMICS

	expenditure and capital expenditure. Balanced, Surplus and Deficit Budget – measures of government deficit.				
	UNIT- 5 6 marks Balance of Payment Account Balance of payments account - meaning and components; Balance of payments – Surplus and Deficit Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system	18.5 Hrs	Explain the items of Current account , Capital Account Differentiate between Balance of Trade and Balance of Payment account Identify Fixed Exchange Rate , Flexible Exchange Rate , Managed Flaoating Exchange Rate	Project Work	Development of Communication skills while explaining the differences between Balance Of Trade and Balance Of Payment Account

CLASS : XII

SUBJECT: ECONOMICS

JUNE	Unit 7 20 marks Current Challenges Of Indian Economy – 20 Marks Human capital formation Rural Development	19.5 Hrs	Identify the causes of environmental degradation State the causes of Unemployment Explain the differences between Human Capital Formation and Physical Capital State the problems in Rural Marketing	Project Work	Enhancement of Critical Thinking Promotion of Collaboration in regarding suggestive measures for development of rural market, sustainable development and Inclusion
JUNE	Current challenges facing Indian Economy Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India Rural development: Key issues - credit and		Explain why human capital formation is not taking place Learners will be able to explain the need of Rural Development		Develop Critical Thinking Promote Collaboration

CLASS : XII

SUBJECT: ECONOMICS

	marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming		They will be able to state the importance of Institutional credit system		Quantitative and Data Interpretation skills development will be there through case based and data interpretation question.
			State the causes of Global Warming		

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CLASS : XII

SUBJECT: ECONOMICS

	deficient demand; measures to correct them - changes in government spending, taxes and money supply.		Students will be able to explain the causes of excess demand and Deficient Demand They will be able draw inflationary and Deflationary Gap Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply		Promoting analytical and logical skills through data interpretations
	PT 1 13/7/2026) National Income 2) Money &				Paper and Pen Test

CLASS : XII

SUBJECT: ECONOMICS

JULY	Banking 3)Budget 4) Balance of Payment Account 5)Foreign exchange market Unit 6 12 marks Economic Development Unit 6: Development Experience (1947-90) and Economic Reforms since 1991: A brief introduction of the state of Indian economy on the eve of independence. Indian economic system and	19.5Hrs	Students will be able state the reasons Economic Reforms They will able to compare and contrast Pre and Post Reform India They will be able to justify the	Project	Development of Critical thinking through engaging in discussion ,reflection and questions Analyse Information through Picture based questions
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CLASS : XII

SUBJECT: ECONOMICS

	common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade. Economic Reforms since 1991: Features and appraisals of liberalisation, globalisation and privatisation (LPG policy); Concepts of demonetization and GST		goals of five year plans Students will be able to state the features of Liberalisation, Globalisation and Privatisation Students will be able to solve the case studies based on the topics covered.		Development of Critical thinking through engaging in discussion ,reflection and questions
AUG	Unit 8 8 Marks Development Experience of India: A comparison with neighbours India and Pakistan	13.5 Hrs	Students will be able to state similarity between India China and Pakistan They will be able to explain the	Project	Argumentation and Communication skills will be developed Analyse Information through Picture based questions

CLASS : XII

SUBJECT: ECONOMICS

	India and China Issues: economic growth, population, sectoral development and other Human Development Indicators		demographic components of the three countries.		Development of Critical thinking through engaging in discussion ,reflection and questions
SEPT	Term 1 1/9/2026	Units 1,2,3,4,5 ,7	REVISION FOR TERM I EXAM		REVISION
OCT	REVISION		REMEDIAL CLASSES		REVISION
NOV	TERM 2 16/11/2026	FULL COURS E	REVISION FOR TERM II EXAM		
DEC	REVISION				
JAN	PRE BOARD 10/12/2026 – 9/1/2027	FULL COURS E	REVISION FOR BOARD EXAM		REVISION

NAME OF INCHARGE TEACHERS: Ms. Vibha Biji & Dr. Runa Paul

SIGNATURE OF SUBJECT COORDINATOR: Ms. Manju Sharma

MO NTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TI ME ALL OT TE D	LEARNING OUTCOMES	SUGGESTED ACTIVITIES/ ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITIES	KEY COMPETENCIES TO BE ACHIEVED.
April	गद्य: भक्तिन	6	जीवन की विभिन्न परिस्थितियों में विभिन्न चुनौतियों को स्पष्ट कर संघर्ष कर सकेंगे।	किरण बेदी की आत्मकथा पढ़कर साथियों के साथ उनके जीवन संघर्षों की चर्चा कीजिए।	किसी नारी प्रधान फिल्म को देखकर उसकी समीक्षा लिखिए।	आलोचनात्मक सोच
	पद्य: आत्म-परिचय, एक गीत	6	कवि के कल्पना संसार, भावार्थ और जीवन से जुड़े उद्देश्य को स्पष्ट कर सकेंगे।	एक गीत की तरह किसी विचार को आधार बनाकर कविता लेखन कीजिए।	बच्चन जी की अन्य रचनाओं को पढ़कर तुलनात्मक अध्ययन करते हुए उनकी रचनाओं पर प्रकाश डालिए।	रचनात्मकता
	अभिव्यक्ति और माध्यम: विभिन्न माध्यमों के लिए लेखन	6	विद्यार्थी जनसंचार के विभिन्न माध्यमों की खूबियाँ और खामियों को समझ सकेंगे।	दूरदर्शन समाचार एवं किसी निजी समाचार चैनल के समाचार बुलेटिन की तुलनात्मक रिपोर्ट तैयार कीजिए।	आपके अनुसार प्रिंट माध्यम, रेडियो और टीवी में से सबसे सशक्त माध्यम कौन-सा है? पक्ष-विपक्ष में तर्क दें।	अनुसंधान कौशल
JUN E	गद्य: बाज़ार दर्शन	6	बाज़ार की आवश्यकता एवं सार्थकता को समझकर तदनुरूप आचरण करना सीखेंगे।	बाज़ार के अपने किसी अनुभव को लिखिए।	किसी उत्पाद के प्रचार-प्रसार हेतु आकर्षक विज्ञापन का निर्माण कीजिए।	रचनात्मकता
	पद्य: पतंग	5	अलंकृत भाषा के उचित रूप को समझकर उपयोग कर सकेंगे।	अपनी काल्पनिक उड़ान में आप कहाँ की सैर करते हैं ?	दुनिया की सबसे हल्की चीज पतंग का कलात्मक ढंग से निर्माण कीजिए।	कलात्मकता
	अभिव्यक्ति और माध्यम: पत्रकारीय लेखन	6	पत्रकारीय लेखन के विभिन्न रूप और प्रक्रिया को समझकर अपने लेखन कौशल को समृद्ध कर सकेंगे।	अपने पसंदीदा फ़ीचर चुनकर कक्षा में सुनाइए।	विभिन्न समाचार-पत्रों और पत्रिकाओं में से कतरने काटकर कोलाज़ बनाइए।	मौखिक संचार
JULY	गद्य : काले मेघा पानी दे	6	पानी जैसी अत्यावश्यक चीज के लिए एक आम आदमी के प्रयासों और विश्वासों में छपी व्यवस्था को समझ सकेंगे।	वाटर हार्वेस्टिंग की प्रक्रिया को समझिए और साथियों के साथ चर्चा कीजिए।	'जल-संरक्षण' पर आधारित किन्हीं चार नारों का कलात्मक लेखन कीजिए।	कल्पनाशीलता एवं नवाचार

	पद्य : कविता के बहाने, बात सीधी थी पर	5	भाषा की सादगी और उचित प्रयोग का महत्व समझ सकेंगे।	शब्दकोश से कुछ नए शब्दों का चयन कर आत्मसात कीजिए।	किसी स्वैच्छिक विषय पर लगभग 70-80 शब्दों में कविता लेखन कीजिए।	रचनात्मकता
	PT-1 [13/7/26]		प्रथम त्रैमासिक परीक्षा		प्रथम त्रैमासिक परीक्षा	
	वितान: सिल्वर वेडिंग	8	पीढ़ीगत अंतर को समझ कर तदनुरूप आचरण करना सीखेंगे।	आपको क्या लगता है यशोधर बाबू गलत थे /	अपने आस-पास रहने वाले किसी यशोधर बाबू जैसे चरित्र का चरित्र- चित्रण कीजिए।	नैतिकता एवं पारिस्थितिकी तंत्र की समझ
	अभिव्यक्ति और माध्यम: विशेष लेखन	5	विविध क्षेत्रों में विशिष्ट लेखन की प्रक्रिया को समझ कर लेखन कौशल को समृद्ध कर सकेंगे।	शिक्षा में ए आई के प्रयोग पर विशिष्ट लेखन कीजिए।	किसी समाचार पत्र में प्रतिदिन प्रकाशित होने वाले मंडी के भावों पर आधारित समाचारों को एकत्र कर उनका विश्लेषण कीजिए। क्या यह समाचार एक सामान्य पाठक की समझ में आ सकते हैं?	आर्थिक और वित्तीय साक्षरता
AUG UST	गद्य : पहलवान की ढोलक	6	देश में खेल-खिलाड़ियों की परिस्थितियों, चुनौतियों और प्राप्त सुविधाओं पर चर्चा कर सकेंगे।	खेल में अपनी रुचियों को कक्षा में साझा कीजिए।	कहानी 'पहलवान की ढोलक' में वर्णित घटनाक्रम की रेडियो नाटक प्रस्तुति दीजिए।	मीडिया और इंटरनेट साक्षरता
	पद्य: कैमरे में बंद अपाहिज	5	शारीरिक चुनौतियों को झेलने वाले व्यक्तियों की त्रासदी को समझकर उनकी सहायता हेतु कदम उठा सकेंगे।	किसी विकलांग की सहायता हेतु आप क्या करेंगे ?	कविता के आधार पर पटकथा लेखन कीजिए।	कार्य-योजना एवं समस्या समाधान
	वितान: जूझ	8	जीवन के संघर्षों का सहजता से सामना करने हेतु प्रस्तुत होंगे।	जीवन में संघर्षों का महत्व पर अच्छेद लेखन कीजिए।	लेखक की चारित्रिक विशेषताओं को बिंदवार लिखिए।	जिज्ञासा, अनुकूलनशीलता एवं विश्लेषण
	अभिव्यक्ति और माध्यम: *कहानी का नाट्य रूपांतरण	4 3	लेखन की कला को समझ कर भाषायी दक्षता प्राप्त कर सकेंगे।	एक रेडियो नाटक लिखिए।	अपने निकटवर्ती परिवेश एवं सामाजिक मुद्दों पर सूक्ष्म दृष्टि रखते हुए रचनात्मक लेखन कीजिए।	सूचना एवं संचार प्रौद्योगिकी साक्षरता

	*कैसे बनता है रेडियो नाटक *नए और अप्रत्याशित विषयों पर लेखन	4				
SEPT EMB ER	वितान : अतीत में दबे पांव	8	विभिन्न वक्तव्य के पक्ष और विपक्ष में विषय-वस्तु में से तथ्यों की खोज-परख कर सकेंगे। जैसे-सिंधु सभ्यता कितनी पुरानी है/ उसके विषय में कैसे पता चलता है?	किसी ऐतिहासिक स्थल की यात्रा कर अपने अनुभव साझा कीजिए।	भोपाल एवं उसके आसपास के किसी ऐतिहासिक महत्व की इमारत पर आधारित लघु फिल्म बनाइए।	नेतृत्व ,टीमवर्क,सहयोग एवं सहकारिता
	TERM-1 [01/9/26]		अर्धवार्षिक परीक्षा		अर्धवार्षिक परीक्षा	अर्धवार्षिक परीक्षा
OCT OBE R	गद्य: शिरीष के फूल	8	शिरीष के फूल की तरह किसी और प्राकृतिक वस्तु से जीवन की सहज प्रेरणा ले सकेंगे।	अपने आसपास किसी फलदार घने वृक्ष का रोपण कर उसकी देखभाल कीजिए।	'राजनीतिक गलियारों में कुर्सी का मोह' विषय पर वाद-विवाद का आयोजन कीजिए।	तर्क, विश्लेषण, आलोचनात्मक सोच एवं समस्या समाधान
	गद्य : श्रम विभाजन	8	भारत देश में जातिवाद के कारण उत्पन्न विवादों को समझकर समस्या समाधान हेतु प्रयासरत होंगे।	निम्न जाति की वास्तविक समस्याओं को जानने का प्रयास कीजिए।	अंबेडकर जी की सचित्र जीवनी लिखकर उनके विचारों की विशिष्टता पर प्रकाश डालिए।	वैचारिकता एवं भाषा कौशल
	पद्य: उषा	4	गतिशील वर्णन और बिंब वर्णन के लिए विशिष्ट शब्द-ज्ञान का संचय कर सकेंगे।	सुबह चार बजे उठकर सूर्योदय दर्शन कर अपनी अनुभूति से साथियों को परिचित कराइए।	प्रातः कालीन सौंदर्य/वर्षा ऋतु में प्रकृति के सौंदर्य की आकर्षक चित्रात्मक प्रस्तुति कीजिए।	प्रकृति से निकटता एवं नवाचार
	पद्य : बादल राग	5	प्रगतिवादी विचारधारा और लघु मान संप्रदाय पर चर्चा कर सकेंगे।	कविता को लयात्मक ढंग से प्रस्तुत कीजिए।	आकाश में छाए बादलों के सौंदर्य का चित्रण कीजिए।	संगीत के प्रति अभिरुचि
NOV EMB ER	पद्य: कवितावली	10	विषय-वस्तु के आधार पर सामाजिक और सांस्कृतिक परिस्थितियों का विश्लेषण कर उसका औचित्य बता सकेंगे।	पैसों की शक्ति विषय पर चर्चा कीजिए।	वर्तमान समय में समाज में आप किस तरह की विसंगतियां पाते हैं? उनके निराकरण हेतु उपाय बताइए। विस्तृत चर्चा।	बहुसांस्कृतिक साक्षरता एवं मानवतावाद
	पद्य :रुबाइयाँ	3	कविता में रूपक अलंकार के प्रयोग और भाव को समझ सकेंगे।	अपने पसंदीदा गायक की गजलों का आनंद लीजिए।	विविध अलंकारों का प्रयोग करते हुए स्वैच्छिक विषय पर कविता सृजन कीजिए।	अनुसंधान कौशल एवं रचनात्मकता

CLASS : XII

SUBJECT: HINDI CORE [302]

	पद्य : छोटा मेरा खेत, बगुलों के पंख TERM-2 [16/11/26]	6	प्राकृतिक दृश्य को किसी कला के माध्यम से दर्शाने में सक्षम होंगे। TERM 2		पक्षियों के संरक्षण हेतु आप कौन-से आवश्यक कदम उठाएंगे तथा अन्य लोगों को इस हेतु किस तरह प्रेरित करेंगे? अपने घर में रखे पुराने कबाड़ का कलात्मक ढंग से उपयोग करते हुए एक पक्षी घर बनाइए। TERM2	सृजनशीलता एवं कलात्मकता पर्यावरण और संरक्षण साक्षरता TERM2
DEC EMBE R	पाठ्यक्रम की पुनरावृत्ति एवं प्रायोगिक परीक्षा [1/12/26]		पुनरावृत्ति एवं प्रायोगिक परीक्षा	पाठ प्रत्यास्मरण कीजिए।	पुनरावृत्ति एवं प्रायोगिक परीक्षा	पुनरावृत्ति एवं प्रायोगिक परीक्षा
JAN UAR Y	प्री-बोर्ड परीक्षा [10/12/26]		प्री-बोर्ड परीक्षा		प्री-बोर्ड परीक्षा	प्री-बोर्ड परीक्षा
FEBR UAR Y & MAR CH	बोर्ड परीक्षा		बोर्ड परीक्षा		बोर्ड परीक्षा	बोर्ड परीक्षा

NAME OF INCHARGE TEACHERS: SUNITA BHATNAGAR

SIGNATURE OF SUBJECT CORDINATOR:

SIGNATURE OF PRINCIPAL:

CARMEL CONVENT SR. SEC. SCHOOL, RATANPUR – YEAR PLANNER 2026-27

CLASS XII

SUBJECT : APPLIED MATHEMATICS (2 41)

Month	Name of the Unit with Content	Time Allotted (in Hours)	Learning Outcomes	Art integrated Activity	Suggested activities/Assessment/Practical	Key Competencies to be Achieved
APR	Unit 2: Algebra Matrices and Determinants: Concept of a matrix, types of matrices, equality, addition, multiplication, and scalar multiplication of matrices. Determinants: Properties of determinants, minors, cofactors, and applications of determinants in finding the area of triangles. Adjoint and Inverse of a matrix: Solution of simultaneous linear equations up to three variables using inverse matrices and Cramer's Rule.	15 hrs	Solve systems of equations using matrices and determinants.		Matrix Multiplication Using Excel Finding the Inverse of a Matrix Using MINVERSE() Function in MS Excel	Problem-solving, analytical thinking

JUN	• Unit 3: Calculus Differentiation: Concepts, derivatives of implicit and composite functions, logarithmic differentiation, and second-order derivatives. • Applications of Derivatives: Rate of change, increasing/decreasing functions, tangents and normals, maxima and minima. • Integration: Indefinite integrals as anti-derivatives, integration by parts, and integration by partial fractions. • Definite Integrals: Properties of definite integrals and application to areas under simple curves. • Differential Equations: Formulation, order, degree, and solution of first-order first-degree differential equations.	40hrs	Understand rate of change and apply derivatives in optimization problems.		Plotting an Exponential Function Using MS Excel	Critical thinking, interpretation skills
JULY	• Unit 7: Financial Mathematics Interest & Depreciation: Simple and compound interest, nominal and effective	25hrs	Optimize real-life business problems mathematically.	Ppt on LLP	Plotting a Linear Function in MS Excel	Optimization skills, decision-making

	rate of interest, and depreciation. • Annuity & Loans: Present value, future value, sinking funds, calculation of Equated Monthly Installments (EMIs), and amortization. • Returns & Bonds: Calculation of returns (simple, absolute, and CAGR), face value, yield, and valuation of bonds. • Linear Programming: Graphical method for solving LPP problems (feasible and infeasible regions, optimal feasible solutions).				Plotting the Graph of a Quadratic Function Using MS Excel PT1 Matrices And Determinants, Calculus and LPP.	
AUG	• Unit 1: Numbers, Quantification & Numerical Applications Modulo Arithmetic: Congruence modulo, Euler's totient function, and basic applications. • Congruence & Alligation/Mixture: Rules of mixtures, and weighted averages. • Boats, Streams, Pipes, & Cisterns: Word problems and logical setups.	20	Students will be able to apply mathematical concepts in financial calculations and real-life situations.			Financial literacy, logical reasoning, application skills

	• Numerical Inequalities: Solving inequalities graphically and algebraically.					
SEP	• Unit 4: Probability Distributions Probability: Conditional probability, Bayes' theorem, Law of total probability. • Probability Distributions: Random variables, probability distribution of a random variable, expected value, variance. • Theoretical Distributions: Binomial distribution, Poisson distribution, and Normal distribution (properties and applications).	30 hrs	Interpret and compute probabilities in real-life contexts.		Dice Roll Simulation and Calculation of Experimental Probability Using MS Excel TERM 1: Matrices And Determinants, Calculus, Financial Mathematics And Numbers Quantification & Numerical Application.	Data analysis, decision-making
OCT	• Unit 5: Inferential Statistics Population and Sample: Parameters and statistics. • Hypothesis Testing: Null and alternative hypotheses, level of significance, Type I and Type II errors. • Confidence Intervals & Z-tests: Testing for population means and proportions.	20 hrs	Draw conclusions from data using statistical tools.			Research skills, analytical reasoning

NOV	Unit 6: Index Numbers & Time-based Data • Time Series: Components of time series, moving averages, and methods of least squares for trend fitting. • Index Numbers: Construction of index numbers, consumer price index, and wholesale price index.	20 hrs	Understand inflation, cost of living index.		Plotting Demand and Supply Curves and determining the Equilibrium Price Using MS Excel TERM II: FULL COURSE	Interpretation of data, economic awareness
DEC	Revision				PRE BOARD	

NAME OF THE INCHARGE TEACHER: MRS. ANAMIKA CHUGH

SIGNATURE OF COORDINATOR: MRS ANAMIKA CHUGH

SIGNATURE OF THE PRINCIPAL: