

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS- IX

SUBJECT- ART EDUCATION (Visual Art)

MONTH	CHAPTERS	LEARNING OUTCOMES	SUGGESTED ACTIVITIES/ ASSESSMENT	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL 2026	14: Exploring the Fundamentals of Visual Arts	- Understand elements and principles of visual arts. - Learn different mediums, tools and techniques.	Sketching and artwork observation activities.	Create Mandala using shapes, lines and patterns linked with geometry.	- Creativity, observation, visual understanding - Technical skills, experimentation.
JUNE 2026	14: Exploring the Fundamentals of Visual Arts		Drawing compositions and practical assessment.	Prepare a visual journal with sketches and written descriptions.	
JULY 2026	15: Mediums and Techniques in Visual Art		Experiment with colours, painting and mixed media.	Explore traditional art materials of different regions.	
AUGUST 2026	15: Mediums and Techniques in Visual Art		Create artwork using different techniques.	Use recycled materials for mixed media art connected with environment.	
SEPTEMBER 2026 TERM-1	HALF YEARLY ASSESSMENT PRACTICAL EVALUATION				
OCTOBER 2026	16: Visual Composition	- Understand balance, harmony and arrangement. - Understand painting, sculpture, crafts and applied arts.	Poster and composition activities.	Make social awareness posters combining images and messages.	- Design thinking, visual communication - Research, appreciation, critical thinking.
NOVEMBER 2026	17: Branches of Visual Arts		Study art forms and prepare practical work	Prepare Gond art	
DECEMBER 2026	17: Branches of Visual Arts		Study art forms and prepare practical work	Prepare Madhubani art	
JANUARY 2027	Revision and Creative Projects				
FEBRUARY 2027 TERM-2	FINAL ASSESSMENT CHAPTER 14,15, 16, 17				

Name of the In charge teachers’: Sunil K. Singh, Rati Sharma, Vishakha Chouhan .

Signature of coordinator: _____.

Signature of Principal: _____.

Month / No of Working Days	Name of the Unit / Chapter/Topic	Learning Outcomes	Suggested Activities/ Projects under Internal Assessment/PRACTICALS	Assignment	Assessment
APRIL	CHAPTER 1 The fundamental unit of life	Students learn about cell which is a basic structure.They also analyse the importance of cell organelles	Prepare stained temporary mount of cheek cell	Draw a plant and animal cell Explain the importance of cytoplasm	Quiz
JUNE	CHAPTER 1 CONTINUED		Temporary mounting of onion peel to observe a cell	Explain different types of E.R.	MCQ
JULY	PT 1 CHAPTER 2 Tissues	Students are able to identify and differentiate between cell and tissue	Identification of parenchyma ,collenchyma and sclerenchyma tissues in plants	Write difference between cell and tissues	PT1 Exam
AUGUST	CHAPTER 3 Reproduction	Students are able to understand different forms of reproduction	Types of asexual and sexual reproduction. Reproductive health and hygiene	Role of biotic and abiotic agents. Structure of male and female reproductive system	Worksheet
SEPTEMBER	REVISION FOR TERM 1 (PT2)				
OCTOBER	Continue CHAPTER 3		Introduction to birth control method and importance	Explanation of how variations are introduced by sexual reproduction	Presentation
NOVEMBER	CHAPTER 4 Diversity	Importance of classification. 5 kingdoms and divisions	Binomial nomenclature. Acellular entities	Recognize 3 domains of classification on molecular	Case based questions

				basis	
DECEMBER	CHAPTER 4 CONTINUED		Major divisions of plants and animals	Classificatio n based on number of cells and mode of nutrition	
JANUARY	REVISION FOR FINAL TERM				
FEBRUARY	FINAL EXAM				
MARCH					

NAME OF THE SUBJECT TEACHER: Dr NEERU THAKUR ,SHAMPA MAITRA, DIVYA RAJESH

SIGNATURE OF THE SUBJECT COORDINATOR: Dr Neeru Thakur

MONT H	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLO TTED	LEARNING OUTCOMES	SUGGESTE D ACTIVITIES / PRACTICA L	ART INTEGRATE D ACTIVITY (Any Two)	KEY COMPETENCIES TO BE ACHIEVED.
April	Chapter3: The World Numbers 1.Representation of rational numbers on the number line. 2.Density of rational numbers and its proof. 3.Finding rational numbers between any two rational numbers. 4.Decimal representation of rational numbers. 5.Introduction to irrational numbers. 6.Proof of irrationality of $\sqrt{2}$ and $\sqrt{3}$	15 Hours	1.Understand the concept of a rational number. 2.Represent rational numbers on the number line. 3.Understand the properties of rational numbers. 4.Explain the concept of density of rational numbers. 5.Compute decimal representation of rational numbers. 6.Understand the concept of irrational numbers. 7.Prove the irrationality. 8.Construct the square root spiral. 9.Apply computational thinking to represent rational and irrational.		Square Root Model. Abstract art on root spiral	Classify real numbers & understanding them. Decimal representation and visualizing them on number line.
	Chapter4: Exploring Algebraic Identities 1. Revisiting algebraic identities 2. Visualizing identities using geometrical models.	7 Hours	1.Visualize algebraic identities using geometric models. 2. Determine the factors of algebraic			

	3.Factorization of algebraic expressions using identities. 4. More identities and their applications. 5. Visualizing factorization of quadratic expressions through algebra tiles and without using algebra tiles.		expressions using identities. 3. Interpret factors of quadratic expressions through geometric models.		String Art Polygons	Apply standard mathematical rule to simplify algebraic expressions. Logical Reasoning
June	Chapter4(Continue): Exploring Algebraic Identities 6. Finding new identities. 7. Simplifying rational expressions. Chapter1: Orienting Yourself: The Use of Coordinates 1. Brief history of coordinate geometry 2. The 2-D Cartesian coordinate system. 3. Distance between two points in the 2-D plane. 4.Midpoint of the line- segment	4 Hours 6 Hours	4. Find simplified versions of rational expressions. 5.Use computational thinking strategies, such as decomposition and step-by- step procedures to visualize algebraic identities, factor expressions, and simplify rational expressions 1.Specify locations and the position of one point relative to another point using coordinates. 2.Represent a floor plan on a grid using coordinates. 3.Compute the distance between		Cartesian Coordinates and Cultural Heritage	Structural bridge between algebra and geometry. Visualization, Locating Geometrical Position.

	between two points in the 2-D plane.		two points using coordinates. 4.Determine whether three points lie in a straight-line using coordinates. 5.Compute the position of the midpoint of a line segment using coordinates. 6.Check whether a triangle is right-angled using coordinates. 7.Apply computational thinking to model situations on the coordinate plane and verify geometric properties through systematic reasoning.			
July	Chapter 2: Introduction to Linear Polynomials Algebraic expressions 1.Definition of a Polynomials. 2.Degree of a polynomial. 3.Introduction to linear polynomials and applications 4.Exploring linear patterns. 5.Modelling linear growth and linear decay. 6.Linear relationships. 7.Visualizing linear relationships	9 Hours	1. Understand the meaning of an algebraic expression. 2.Define a polynomial. 3.Identify the degree, terms and coefficients of terms in a polynomial. 4.Model linear growth and decay using linear polynomials. 5.Explain and identify patterns in linear relationships.			Moving beyond basic Algebra to understand how steady, constant changes behave both numerically and graphically.

Slope and y-intercept of a line $y = ax + b$ Chapter 5: I'm Up & Down and Round and Round (Circle) 1. Practical applications and uses of circles. 2. Definitions related to a circle, center, diameter, and radius. 3. Chords and the angles they subtend. 4. Midpoints and Perpendicular bisectors of chords. 5. Distance of chords from the center. 6. Subtended angles by an arc. 7. Cyclicity of Points.	7 Hours	6. Identify the slope and y-intercept of a linear equation in two variables. 7. Graph a linear equation in two variables. 8. Use computational thinking to identify patterns, construct linear expressions, and systematically represent and analyze linear relationships using equations and graphs. 1. State the definition of a circle. 2. Explain the meanings of the terms 'chord', 'diameter', 'radius', 'arc', 'segment', and 'sector'. 3. Explain why there exists a unique circle through three non-collinear points. 4. Construct the circumcircle and circumcenter of a triangle. 5. Describe the location of the circumcenter for acute, obtuse, and right-angled triangles. 6. Explain what 'angle subtended by	SEA1: To verify that the angle subtended by an arc at the center of a circle is double the angle subtended at any point on the remaining segment of the circle, experimentally.	Circle Theorem Board Mandala & String Art	Transitioning from intuitive geometric to rigorous deductive reasoning and formal proof.
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			an arc at the center’ means. 7. Explain why ‘equal chords subtend equal angles at the center’.			
	Chapter6: Measuring Space: Perimeter & Area 1.Perimeter of shapes. 2.Perimeter of a circle: Introduction to Pi and its irrationality. 3.Area of shapes: rectangles, parallelograms, and triangles. 4.Heron’s formula Squaring a rectangle: Proof from Baudhayana’s Sulbasutras. 5.Area of a circle: derivation. 6.Area of the sector of a circle Brahmagupta’s formula for area of a cyclic 4-gon. 7.Heron’s formula as a special case of Brahmagupta’s formula.	9 Hours	1. Define perimeter as the length around the boundary of any shape. 2.Explain that the circumference-to-diameter ratio is constant for all circles. 3. Explain how ancient civilizations approximated the area of a circle. 4.Compute the area of a circle using the formula. 5. Explain and use the formula for area of a sector of a circle. 6.Solve problems on areas of sectors and segments of circles. 7.State Brahmagupta’s formula for the area of a cyclic quadrilateral in terms of its sides. 8.Explain why Heron’s formula is a ‘special case’ of			Deep Analytical Skill for triangle, quadrilateral and complex polygonal structure.

			Brahmagupta's formula. 9. Explain the notion of 'special case' and 'generalization' in mathematics. 10. Use computational thinking to break down shapes, apply step-by-step methods to calculate perimeter and area, recognize patterns across formulae, and understand generalization and special cases in geometry.			
	PT 1 Exam (Chapter 3 & 4)					
August	Chapter 7: The Mathematics of May Be: Introduction to Probability 1. Concept of probability and randomness. 2. The probability scale. 3. Empirical Probability: Analyzing Statistical data and performing Experiments. 4. Theoretical Probability: sample space and events. 5. Representing probability through tree diagrams and	5 Hours	1. Understand the concept of randomness. 2. Describe the likelihood of an event using the probability scale. 3. Estimate the empirical probability of the occurrence of an event by analyzing statistical data. 4. Define theoretical probability of an event.		The Geometric Board Game	Analytical and Logical Reasoning, Predict Outcomes

tables.			5.Apply the definition of theoretical probability to compute the probability of an event. 6.Compute probability of events with the help of tree diagrams and tables. 7.Use computational thinking strategies, such as pattern recognition and simulation, to model random experiments and estimate probabilities.			
Chapter8: Predicting What Comes Next 1.Introduction to Sequences. 2.Explicit or general rule of sequences. 3. Recursive rule of a sequences. 4. Arithmetic Progressions. 5.(AP): nth term, visualizing an AP, and practical contexts leadings to APs. 6.Sum of the first n terms. 7.(GP): nth term, Visualing a GP, and practical context to leading GPs. 8. Applications of GP in fractals. 9.Tower of Hanoi Puzzle.	13 Hours	1.Understand the concept of a sequence of numbers. 2.Identify the pattern in a sequence and predict the next few terms. 3.Determine the recursive and explicit rules for different sequences. 4.Obtain the terms of sequence given its recursive and explicit rule. 5.Identify Arithmetic Progressions (AP). 6.Determine the nth term of an AP. 7.Visualize an AP graphically.			Predictable growth and sequential data, understanding numerical pattern and linear trends.	

			8. Identify Geometric Progressions (GP). 9. Determine the n th term of a GP. 10. Visualize a GP graphically. 11. Analyze attributes of fractals using GP. 12. Solve the Tower of Hanoi puzzle. 13. Use computational thinking to identify patterns, write step-by-step rules, and model patterns in sequences and progressions.			
September	Term 1 Exam (Chapter 1 to 8)				Worksheet Chapter (1 to 8)	

NAME OF INCHARGE TEACHERS: Mrs. Bindi, Mrs. Gini, Mrs. Shailja, Mr. Tikesh

SIGNATURE OF SUBJECT CORDINATOR: Mrs. Anamika

SIGNATURE OF PRINCIPAL:

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

CLASS : IX

SUBJECT: IT

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED FOR EACH UNIT	LEARNING OUTCOMES	ART INTEGRATED ACTIVITY / PROJECT	PRACTICALS	KEY COMPETENCIES TO BE ACHIEVED
APRIL	Communication Skills-I: Methods of Communication, Verbal & Non-Verbal Communication, Communication Cycle, Barriers to Communication ICT Skills-I: Introduction to ICT, Computer Components, Operating System, File Management	12 hrs	Understands importance and methods of communication. Identifies ICT tools and manages files.	Poster making on communication forms. Timeline chart on evolution of computers.	Role play and communication exercises. File and folder management.	Effective communication and interpersonal skills. Digital literacy and ICT skills
JUNE	Self-Management Skills-I: Self-awareness, Personality Development, Positive Attitude, Self-motivation	6 hrs	Develops self-awareness and positive attitude.	Self-portrait collage and goal chart.	Self-assessment activities.	Self-management and emotional intelligence.
JULY	Introduction to IT-ITeS Industry: IT Applications, Careers in IT	10 hrs	Recognizes applications and careers in IT.	Infographic on IT applications.	Career exploration activity.	Career awareness and digital competency.
AUGUST	Entrepreneurial Skills-I: Entrepreneurship and Society	10 hrs	Explains entrepreneurship concepts.	Profile of local entrepreneur.	Case study presentation.	Creativity and innovation.

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

CLASS : IX

SUBJECT: IT

SEPTEMBER	Introduction to IT-ITeS Industry: IT Applications, Careers in IT	6 hrs	Recognizes applications and careers in IT.	Infographic on IT applications.	Career exploration activity.	Career awareness and digital competency.
OCTOBER	Digital Documentation (Advanced): Formatting, Tables, Templates, Mail Merge	7 hrs	Creates professional documents.	Digital newsletter on Indian heritage.	Formatting and mail merge.	Documentation and productivity skills.
NOVEMBER	Electronic Spreadsheet (Advanced): Formulae, Functions, Charts, Data Analysis	7 hrs	Analyzes data using spreadsheets.	Festival survey data charts.	Spreadsheet exercises.	Analytical and computational skills.
DECEMBER	Electronic Presentation: Slide Design, Animation,	7 hrs	Designs effective presentations.	Presentation on Digital India.	Multimedia presentation.	Presentation and collaboration skills.
JANUARY	Revision	7 hrs				

NAME OF INCHARGE TEACHERS: Praveen Agrawal, Anita Mandal

SIGNATURE OF SUBJECT CORDINATOR:

SIGNATURE OF PRINCIPAL:

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27 ,

CLASS - IX

Subject DANCE

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	Components of dance (ch. 10)	Understand posture, body alignment, footwork, movement and rhythm.	Observation, practical demonstration	Demonstrate movement inspired by nature (birds, trees, wave)	Creativity, observation, body coordination
Jun	Components of dance (ch. 10)	Perform basic rhythmic patterns and movement	Individual performance	Create a short rhythmic sequence with Pears	Collaboration, self expression
July	Dance as visual story telling (Che. 11)	Understand Abhinay and navrasa express through facial expression	Role play, performance rubric	Present one Navras through dance and theatre integration	Communication emotional intelligence
August	Dance has visual story telling (ch. 11)	Learn choreography concept formations	Portfolio /Art journal	Depict a folk tale through movement and expression	Critical thinking, imagination
September	Half yearly Exam practical				
October	Dance choreography(ch.13)	Create and perform simple choreography composition	Performance assessment	Choreography a cultural heritage besed dance item	Innovation collaboration

November	Introduction to theatre and history of theatre	Understand theatre as an art form and its role in society	Oral questioning participation	Timeline poster of Indian theatre traditions	Communication cultural awareness
December	Body language and movement	Use gestures facial expression and posture effectively	Demonstration observation checklist	Mime performance on environmental conversation	Creativity self expression
January	Revision and practice	Refine performance skills and confidence	Peer assessment	Reflective art journal	Self assessment confidence
February	Final Assessment Exam				

Name of Incharge Teachers: _____ hema Patel _____

Signature of Coordinator: _____

Signature of Principal: _____

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CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - IX

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	LITERATURE- How I Taught My Grandmother to Read POEM-Bharat Our Land	3 HRS 2.5 HRS	Understand the importance of literacy and lifelong learning. Analyze relationships and values in the story. Appreciate India's cultural diversity and heritage.	Role play between grandmother and granddaughter. Recitation, vocabulary exercises, theme identification.	Make a project on comparative study between Bihar and Madhya Pradesh. The study can be based on any one of these topics	Empathy, communication, critical thinking, social awareness. Patriotism, appreciation of diversity, creativity.
	GRAMMAR- Modal Auxiliaries Subject Verb Concord WRITING- Notice Writing	2.5 HRS 2 HRS 2HRS	Use modals appropriately in speech and writing. Apply subject-verb agreement correctly. Draft notices using proper format and content.	Sentence completion, dialogue writing, grammar quiz. Error correction exercises, worksheet, peer assessment. Write notices for school events, competitions, lost-and-found.	Natural resources Authors and Poets Cuisines Freedom Fighters. Design attractive notice boards.	Language proficiency, communication skills. Accuracy, analytical thinking, language competence. Written communication, organization, creativity.
JUNE	LITERATURE- The Pot Maker GRAMMAR- Reported Speech (Statements, Commands and	3 HRS 3 HRS	Understand dignity of labour and traditional occupations. Convert direct speech into indirect speech accurately.	Character map and reflection writing. Pair work, dialogue conversion, worksheets.	Take any type of clay pot and display painting or clay art of Madhya Pradesh and Bihar on it also	Respect for labour, creativity, social awareness. Communication, grammar accuracy, problem solving.

	Requests, Questions) WRITING- Informal Invitation	2 HRS	Write informal invitations using appropriate language and format.	Draft invitations for birthdays and family functions.	add a label/tag to describe it. Create speech bubbles and convert them into reported speech.	Creative expression, written communication.
JULY	LITERATURE- Winds of Change POEM- Gifts of Grace POEM- Canvas of Soil GRAMMAR- Determiners WRITING- Letter to Editor Syllabus LITERATURE PT 1- Unit 1	4 HRS 2.5 HRS 2.5 HRS 2.5 HRS 2 HRS 1.5 HRS	Understand themes of change, growth and adaptability. Relate text to real-life situations. Appreciate values such as kindness and gratitude. Understand connection between nature and human life. Use determiners correctly in context. Write formal letters expressing opinions on public issues.	Group discussion, comprehension exercises. Recitation, poetic appreciation worksheet. Discussion on environment, poetic devices. Fill-in-the-blanks, sentence construction. Draft letters on environmental and civic concerns.	Poster on positive changes in society. Gratitude tree displaying students' thoughts. Determiner chart with illustrations.	Adaptability, critical thinking, social awareness. Empathy, appreciation, creativity. Environmental awareness, creativity. Language accuracy, communication skills. Critical thinking, civic responsibility, written communication.

	How I Taught My Grandmother to Read Poem-Bharat Our Land GRAMMAR- Determines					
AUGUST	LITERATURE- Vitamin M POEM-I Cannot Remember My Mother GRAMMAR- Clauses (Noun Clauses, Relative Clauses) WRITING- Formal E-Mail	4 HRS 2.5 HRS 3.5 HRS 2 HRS	Analyze the role of money and values in life. Interpret characters and situations critically. Appreciate emotions, memories and mother-child bond. Identify and use noun and relative clauses effectively. Compose formal e-mails using correct structure and etiquette.	Reading comprehension, debate on money versus happiness. Recitation, poetic analysis, personal reflection. Clause identification exercises, sentence combining activities. Write e-mails for enquiries, complaints, permissions, and requests.	Create a value wheel showing material and moral values.	Financial awareness, ethical reasoning, critical thinking. Emotional intelligence, empathy. Analytical thinking, language proficiency. Digital literacy, professional communication, organization.
SEPTEMBER	Revision for PT 2 Syllabus (PT 2) LITERATURE Unit-1,2,3,4 GRAMMAR Modal Auxiliaries	23HRS	Revision of consolidated concepts from Literature, Poetry, Grammar, and Writing Skills covered during Term I. Demonstrated understanding through application, analysis, and	Revision worksheets, mock tests, grammar drills, comprehension passages, quiz competitions, oral presentations, peer assessment, sample paper	Prepare a mind map, concept chart, or creative collage summarizing the key themes, characters, grammar rules,	Critical Thinking, Communication Skills, Reading Comprehension, Language Proficiency, Problem Solving, Creativity, Self-

	Subject Verb Concord Reported Speech Determiners Clauses WRITING Notice Writing Informal Invitation Letter to Editor Formal E-Mail		interpretation of texts and language structures.	practice, and doubt- clearing sessions.	and writing formats studied during Term I.	learning, and Examination Readiness.
OCTOBER	LITERATURE -The World of Limitless Possibilities Twin Melodies POEM -Nine Gold Medals GRAMMAR - Conditional Clauses- Type 1 WRITING - Factual Description	3 HRS 3 HRS 2 HRS 1.5 HRS 1.5 HRS	Understand themes of perseverance, determination, and success. Appreciate music, culture, and artistic excellence. Appreciate empathy, sportsmanship, and inclusivity. Use Type 1 conditionals correctly in context. Write clear and organized factual descriptions.	Reading comprehension, discussion, worksheet, competency-based questions. Reading, character analysis, oral presentation. Recitation, poem analysis, worksheet. Grammar exercises, sentence formation, quiz. Description writing, peer assessment.	Motivational slogan writing on achievements. Poster on sportsmanship and inclusion. Picture-based description activity.	Growth Mindset Self-Awareness Creativity, Cultural Awareness. Empathy, Teamwork, Literary Appreciation. Logical Thinking, Language Accuracy. Written Communication, Observation Skills
NOVEMBER	LITERATURE - Carrier of Words	4 HRS 2.5 HRS	Understand the importance of communication and language.	Comprehension exercises, discussions, worksheet.	Story illustration.	Critical Thinking. Creativity, Emotional Intelligence

	POEM-A Friend Found in Music Words WRITING-Article Writing (For Magazine) GRAMMAR-Conditional Clauses- Type 1 (Continued) PT 3 Syllabus- Unit 5 World of Limitless Possibilities POEM-Nine Gold Medals GRAMMAR-Clauses (Noun Clauses, Relative Clauses)	2.5 HRS 2 HRS 2 HRS	Appreciate the role of music in life and emotions. Understand the power and impact of words. Write articles using proper format and style.	Recitation, appreciation exercises, Q&A. Poem analysis, vocabulary activities. Article writing practice, peer review.		Ethical Awareness Research Skills Organization Skills
DECEMBER	LITERATURE-Follow That Dream	4 HRS	Understand the importance of dreams, determination, and perseverance. Identify	Reading comprehension, discussion, character analysis, worksheet,	Create a dream board/poster depicting personal goals	Critical Thinking, Self-awareness.

	POEM-Believe in Yourself WRITING-Essay Writing (Descriptive, Narrative)	3 HRS 3HRS + 3 HRS	theme and character traits. Appreciate the value of self-confidence and positive thinking. Identifies poetic devices and central theme. Write coherent and well-organized essays using appropriate vocabulary and style.	competency-based questions. Poem recitation, appreciation exercises, worksheet on poetic devices and theme. Essay writing practice, peer review, rubric-based assessment.	and aspirations. Design a motivational poster with inspiring lines from the poem.	Confidence Building. Written Communication, Creativity, Organization Skills.
JANUARY	FINAL EXAMS Syllabus All the topics covered during the entire year.	23 HRS	Consolidated learning from Literature, Poetry, Grammar, and Writing Skills. Revision of all concepts covered in Term II. Demonstrated understanding through application and analysis. Building confidence for examinations.	Sample paper practice. Mock tests and quizzes. Revision worksheets. Oral presentations and doubt-clearing sessions.	Prepare a concept map summarizing all the topics. Create a revision chart with key concepts and formats.	Self-learning Time Management Critical Thinking Problem Solving Examination Readiness

Name of In charge Teachers: Ms. Sheeba _____

Ms. Sadaf _____

Ms. Anju _____

Signature of Coordinator: Mr. Solomon

Signature of Principal: Sr. Rose Tom

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - IX

SUBJECT- KHEL YATRA

Month	Name of the Unit / Chapter and Sub-Topics	Time Allotted	Learning Outcomes	Suggested Activities / Assessment / Practical	Art Integrated Activity	Key Competencies
April / May	Unit 1: Introduction to HPE & Physical Fitness - Meaning and importance of HPE - Components of physical fitness - Health-related vs. skill-related fitness	12 Periods	- Define physical fitness components. - Identify personal fitness levels.	- Practical: Conduct AAPHER fitness test. - Assessment: Viva on fitness components.	Poster Making: Create visual charts representing different fitness components.	- Self-awareness - Critical thinking - Goal setting
July	Unit 2: Growth, Development & Nutrition - Meaning of growth and development - Factors affecting growth - Balanced diet and its components	14 Periods	- Differentiate between growth and development. - Design a basic balanced diet plan.	- Practical: Track daily dietary intake. - Assessment: Group quiz on macronutrients.	Food Art: Arrange a plate using real items to depict a balanced diet visually.	- Analytical thinking - Problem-solving - Decision making
August	Unit 3: Major Sports & Games (Team Games) - Athletics, Football, or Basketball - Basic rules and terminologies - Fundamental skills and drills	16 Periods	- Demonstrate basic skills of chosen sport. - Explain primary rules and regulations.	- Practical: On-field skill test (dribbling/passing). - Assessment: Peer evaluation during matches.	Sports Photography / Collage: Capture or sketch dynamic movements in sports.	- Collaboration - Leadership - Teamwork
September	Unit 4: Yoga for Health & Well-being - History and importance of Yoga - Asanas: Tadasana, Vrikshasana, Bhujangasana - Pranayama basics	10 Periods	- Perform basic asanas with correct posture. - Explain the mental benefits of yoga.	- Practical: Group yoga demonstration. - Assessment: Practical posture check.	Musical Yoga: Perform a synchronized yoga flow set to classical or ambient music.	- Stress management - Concentration - Body awareness
October	Unit 5: Health & Hygiene - Personal and environmental hygiene - Prevention of common infectious diseases - Lifestyle diseases awareness	12 Periods	- List practices for optimal personal hygiene. - Identify causes of lifestyle diseases.	- Practical: Create a hygiene checklist for home. - Assessment: Written worksheet on diseases.	Role Play / Skit: Perform a short street play (Nukkad Natak) on community hygiene.	- Communication - Social responsibility - Empathy

November	Unit 6: Safety Education & First Aid - Principles of safety education - Common sports injuries (sprains, strains) - First aid management (R.I.C.E. formula)	12 Periods	- Administer immediate basic first aid. - Apply the R.I.C.E. method correctly.	- Practical: Mock drill for handling a sprain. - Assessment: Hands-on bandaging test.	Comic Strip: Draw a step-by-step comic guide on treating a minor sports injury.	- Emergency response - Critical thinking - Calmness under pressure
December	Unit 7: Indigenous Games & Adventure Sports - Traditional games (Kho-Kho, Kabaddi) - Introduction to trekking and camping safety	12 Periods	- Recall rules of traditional Indian games. - Explain safety measures for outdoors.	- Practical: Inter-house Kabaddi/Kho-Kho match. - Assessment: Viva on camping safety gear.	Tribal Art / Warli Painting: Depict traditional Indian games through folk art styles.	- Cultural awareness - Risk assessment - Adaptability
January	Unit 8: Consumer Health & Social Well-being - Peer pressure and substance abuse awareness - Making informed health choices	10 Periods	- Identify strategies to counter peer pressure. - Critically analyze health advertisements.	- Practical: Debate on fast food marketing. - Assessment: Case study analysis on peer pressure.	Jingle / Slogan Writing: Compose an original anti-substance abuse jingle or rap.	- Assertiveness - Media literacy - Emotional regulation
February / March	Revision & Final Evaluation - Review of all physical fitness metrics - Submission of final HPE project record	10 Periods	- Consolidate year-long fitness progress. - Demonstrate overall health literacy.	- Practical: Final physical fitness re-test. - Assessment: Final HPE Portfolio evaluation.	Portfolio Designing: Creatively style and bind the year's physical education logbook.	- Self-reflection - Organization - Time management

Name of Incharge Teachers: -Ashok Kumar Vishwakarma, Anamika singh

Signature of Coordinator: - Ashok Kumar Vishwakarma

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

year planner 2026-27

Class: IX | Subject: Music (Madhurima)

Month	name of the Unit/Chapter and sub topic	Learning Outcomes	Suggested Activities/Assessment / practical	Art Integrated Activity	Key Competencies
April	Music and Us	Understand importance of music in life and culture	Discussion, worksheet, oral assessment	Poster on role of music in society	Communication
june	music and us	Recognize music as a means of expression and identity	project work on local music tradition	Recognize music as a means of expression and identity	practical knowledge
July	Raga and Tala	Understand basic concepts of raga and tala	Listening exercises	Rhythm clapping	Musical awareness
August	Raga and Tala	Identify simple ragas and talas	Practical demonstration	Tala practice	Creativity
September	Revision & Assessment	Reinforce concepts	Quiz and practical test	Music chart	Critical thinking
October	Music Travels Around the World	Explore world music traditions	Presentation	World music map	Global awareness
November	Music Travels Around the World	Compare musical traditions	Project work	Instrument collage	Collaboration
December	Project Work	Apply learning through projects	Project submission	Creative display	Research skills
January	Final Revision	Prepare for assessment	Mock test	Portfolio	Confidence
February	Final Revision & Assessment	Consolidate learning	Viva	Music portfolio	Presentation skills

NAME OF INCHARGE TEACHERS: MRS. BHARTI SHRIVASTAVA,
MR. HANS KUMAR DAWAR, MR. JOEL DAVID

SIGNATURE OF SUBJECT CORDINATOR: MRS. BHARTI SHRIVASTAVA

SIGNATURE OF PRINCIPAL:

SOCIAL SCIENCE

MONTH	NAME OF THE UNIT/CHAPTER AND SUB TOPICS	TIME ALLO	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	History Ch-1 Understanding social science. (meaning , scope , relevance and guiding values in Social Science. understanding Social Science from an Indian perspective)	4 hrs	Meaning, scope and relevance of Social Science Understanding Social Science from an Indian perspective	Draw the preamble	Diagram of interiors of the Earth	Develops understanding of society, environment, economy, and governance; explains the scope of Geography, History, Political Science, and Economics and their interconnections; and promotes values of diversity, inclusivity, sustainability, and equity for responsible decision-making.
	Geography C-2 Shaping the Earth's surface (theory of plate tectonics, interior of the earth ,role of weathering and erosion landforms and disaster)	8 hrs	Theory of plate tectonics Interior of the Earth .Role of weathering and erosion; agents of gradation river, waves and currents, wind, glaciers, and underground water.Landforms and disasters: earthquakes, landslides,avalanches, Glacial	Diagram of courses of river		Understands plate tectonics, weathering, erosion, and landform formation. Identifies major tectonic plates and agents of gradation. Explains Earth's dynamic processes and natural disasters. Suggests measures for disaster
JUNE	Economics C-8 Building blocks in Economics(scarcity and the need for choice ,opportunity cost what do economist do types of economic system the ,central problems of an economy, welfare economy)	8 hrs	Scarcity of resources, opportunity cost and the need for making choice. What do economists do?What to produce, how to produce, and for whom to produce? Difference between market, centrally planned, and mixed economic systems.Welfare economy	Real life enquiry government choice and welfare Case study pg - 146 understand scarcity around us in field work	Disaster management project (Geo-ch-2)	Understands scarcity, choice, and opportunity cost in decision-making. Explains economic activities and the role of economists. Identifies central economic problems and different economic systems. Appreciates the importance of welfare measures and social safety nets.
	Pol.Sc Understanding democracy (meaning and roots of democracy in India features and types of democracy democratic system in the world challenges of democracy)	8 hrs	Meaning feature and types of democracy roots of democracy in India challenges to democracy in India democratic systems in the world	case study		Understand the features of democracy appreciate early democratic traditions in India differentiate between parliament and presidential system identify examples of both system across country such as India USA France Russia and Canada
JULY (PT-1)	History Beginnings of civilization (The Paleolithic Period , Mesolithic Period, Neolithic Period , Harappan and contemporary mesopotamian civilization- the Harappan civilization, the mesopotamian civilization, achievements of mesopotamian civilization. Egyptian and Chinese civilizations	8 hrs	Archaeological ages and human ancestors.Palaeolithic life and stone tools.Mesolithic transition and tools.Neolithic farming revolution.Domestication of plants and animals.Harappan and contemporary civilizations.rMesopotamian, Egyptian, and Chinese civilizations	Map skill Pg 65	Show the trade route during 1st century on map	Understand settled life through agriculture and domestication.Explore factors of urban development over time.Appreciate crafts and trade in building prosperity.Understand diversity of food
	Economics The price puzzle :what drives the market (why prices changes, demand, supply, market equilibrium when market do not follow simple theory, rice controls and market failure)	8 hrs	Understand laws of demand and supply. Study exceptions in necessities, luxury, and perishable goods. Learn price ceilings.Understand market failures like externalities, information asymmetry, and public goods.	case study based on democracy. engage and reflect question on page number 137 okay	Case study questions	Understand the laws of demand and supply through real-life examples, analyse how price changes affect demand and supply, identify equilibrium price and quantity, study how market changes create surplus or shortage, understand price ceilings and black markets, and learn about market failures and

	Geography Atmosphere and climate (structure and composition of atmosphere, elements of weather and climate, seasons and monsoon in India, climate changes, floods and carbon footprint)	7 hrs	Structure and composition elements of weather and climate seasons of India monsoon in India climate change floods carbon footprint		Diagram of structure of atmosphere on A4 Siz	Understand different atmospheric layers with the diagrams ,local winds monsoon ,causes and effect of climate, how climate change influence the frequency and intensity of natural disaster
AUGUST	History Society (upto 1000 CE) (The vedic Age - Brahnavarta: Early Vedic Period (1500 BCE-1000 BCE) Aryavarta: Later Vedic Period (1000 BCE-600 BCE) Rise of Kingdoms, and Republics, and Early Empires Administration of Early Empires Quest for Knowledge, educational heritage, institution, knowledge traditions, and culture Traders and Trade Routes, Guilds and Merchants, Crafts and Industries)	9 hrs	Understand Vedic Age geography, texts, rituals, political institutions, and social order, study the administrative structure of early empires, explore India's educational heritage and knowledge traditions, and learn about traders, trade routes, guilds, crafts, and industries.	Case based on page in 98 on solar calendar (In copy prepare in tabular form.	Group activity chart Comparative study of Harapan	Explain various facets of Vedic society and polity Appreciate the achievements of Indian empires and their cultural legacy. Understand the knowledge traditions and practices of India.Understand the foundations of the Indian social and political institutions and their continuity
	Pol.Sc Election (meaning of elections, electoral system and election laws, election commission of India and its role, constituency electrical role and enumerator, party system in India)	9 hrs	Understand the importance of elections, electoral systems, the role of the Delimitation Commission of India and Election Commission of India, and learn about constituencies, electoral rolls, enumerators, and India's party system.		Prepare a table showing any four recognised national parties of India draw their election symbols and write their abbreviation below each symbol.	Understand the importance of elections in a democracy, classify electoral systems, identify major election laws, explain the Representation of the People Acts, understand delimitation and its purpose, and describe the role of the Election Commission along with key electoral terms such as constituency, electoral roll, and enumerator.
SEPTEMBER (PT)	Revision	PT-2 exam				

OCTOBER	Oceans and Life (Introduction to ocean relief, movement of ocean water- waves, tides and currents • Marine resources and their significance; open seas, navigation fishing, and livelihood concerns and challenges • Cyclones and Tsunamis — early warning systems • International maritime rules and regulations)	7 hrs	Ocean relief and movements of ocean water (waves, tides, currents); marine resources and their importance; navigation and fishing livelihoods; cyclones and tsunamis with early warning systems; international maritime rules and regulations.	Examine the natural disaster how to reduce the risk through the disaster management	Construct models or sketches representing ocean relief. Student can select any one activity from the following suggested activities Budget wheel model 2. Evm (working model) 3. Sustainable development model 4. Earth layers model (interior of earth structure) 5. Smart city	Understands the movement of ocean waters and their impact on climate. Explains the importance of marine resources for livelihoods and ecosystems. Analyses the link between oceans and natural disasters. Appreciates maritime regulations, international cooperation, and sustainable use of ocean resources.
	History Resistance and Resilience (1000 CE– 1700 CE) (Safeguarding sovereignty: resistance, alliances and confederacies • Development of art and architecture, languages and literature • The Bhakti tradition • Forts and fortifications • Expansion of Indian economy and state)	8 hrs	Understand safeguarding sovereignty through resistance, alliances, and confederacies, study art and architecture, languages and literature, explore the Bhakti tradition, and learn about forts, fortifications, and the expansion of India's economy and state	Explore the regional kingdoms of medieval period who adopted changes to political economical cultural context overtime.		Understand the cultural, political, and military contributions of regional kingdoms, appreciate the role of diverse communities in shaping India's history (1000–1700 CE), study how kingdoms adapted to changing conditions, and analyse the continuity of Indian civilisation up to the 18th century CE.
NOVEMBER(PT-	Pol.Sc Authority (The Roots of Authority: in Kautilya and shukraniti- danda and relationship with nyaya and bala; the types of nyaya and bala • Constitutional status of justice and security since ancient times • Links the role of citizens with the elections and the democratic institutions • Types of authority — functional, sensitive, and welfare-oriented)	9 hrs	The Roots of Authority: in Kautilya and shukraniti-danda and relationship with nyaya and bala; the types of nyaya and bala. Constitutional status of justice and security since ancient times Links the role of citizens with the elections and the democratic institutions. Types of authority functional, sensitive, and welfare-oriented		Art integrated project on paired state	Understand the roots and evolution of authority in Indian political thought, the relationship between Danda and Nyaya, post-independence ideas of justice and security, types of authority, and the role of citizens in maintaining discipline, justice, and strength.

	Eco From ideas to start ups (What is entrepreneurship and explain the resources required to start a business • Case studies of successful entrepreneurs • Creative destruction with examples	7 hrs	Meaning of entrepreneurship ,case studies, startup ecosystem in India, role of MSMEs and organised sector in India ,economic growth stages of starting business ,idea basic accounting concept		Identify various saving and investment	Importance of entrepreneurship job creation economic growth how resources are managed to produce the goods and services analyse real world features of India as startup ecosystem role of microsmall and medium enterprises stages of starting a business simple profit and loss
DECEMBER	History India and the world (1900BCE-1200CE) (Trade and commerce — trade with Mesopotamia, Greece, Roman Empire, China and Southeast Asia • Cultural Connections — Interactions with Greece and Rome, Central Asia, China, and Influence on South East Asia)	7 hrs	Understand India's trade with Mesopotamia, Greece, the Roman Empire, China, and Southeast Asia, explore cultural interactions with other regions, and learn about Indian knowledge systems in medicine, mathematics, astronomy, and religion.	Understand India's relations with early civilizations, major trade items and ports, contributions in different fields, and the influence of Indian religion and culture, especially in Southeast Asia.		Understand India's relations with early civilizations, major trade items and ports, contributions in different fields, and the influence of Indian religion and culture, especially in Southeast Asia.
	Geography Life on the earth (Biomes: Distribution and characteristics; biosphere reserves in India • Forest and ecotourism; forest dwellers, their livelihoods, and challenges • Forest and wildlife conservation • Government efforts to support forest dwellers)	7 hrs	Understand biomes and biosphere reserves in India, forest and ecotourism, forest dwellers and their challenges, wildlife conservation, and government efforts to support forest communities.	Mapskills Locate bio reserves on the map of India	Identify the major biomes of the world and describe key climatic condition characterizes flora or fauna	Understand major biomes and biosphere reserves, locate biosphere reserves in India, appreciate traditional biodiversity conservation practices, learn the importance of ecotourism, and study causes and prevention of forest fires
	Eco- Smart ways to manage your finances (Relevance of personal financial management in daily life • Inflation and its impact on purchasing power • Simple vs. compound interest rate • Budgeting • Various savings and investment options like fixed deposit, stocks, bonds, mutual funds, etc. • Risk and insurance • Personal income tax)	6 hrs	Understand personal financial management, inflation and purchasing power, simple and compound interest, budgeting, savings and investment options like fixed deposits, stocks, bonds, and mutual funds, along with risk, insurance, and personal income tax.	How to manage income spending saving and investment which helps in achieving financial saving and long term role	Art integrated 3D model Identify various saving and investment instrument 21st century skills	Understand personal financial management, income, spending, saving, and investment, learn simple and compound interest, prepare budgets, identify savings options, understand risk and return, and learn the importance of income tax
JANUARY (Term-2)	REVISION					

NAME OF INCHARGE TEACHERS:- MRS. ALPHONSA , MRS.VIOLET, MRS. JHINUK, MRS.RAJVINDER, MRS.PRABHA, MRS.LIGIMOL

SUBJECT COORDINATOR :- MRS. ALPHONSA JOSDAS

SIGNATURE OF PRINCIPAL

CLASS : IX

SUBJECT: PHYSICS

MONT H	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED FOR EACH UNIT	LEARNING OUTCOMES	ART INTEGRATED ACTIVITY	PRACTICALS	KEY COMPETENCIES TO BE ACHIEVED.
APRIL AND JUNE	CH-10 SOUND WAVES CHARACTERISTICS AND APPLICATIONS Nature of sound, Production of sound, propagation of sound in various media, types of waves, characteristics of Sound wave, speed of sound, reflection of sound, ECHO, Reverberation, ways to reduce it, range of hearing, infrasonic and ultrasonic sound, echolocation, applications of ultrasound.	15 PERIODS(10 Hrs)	Students will be able to - *Explain production of sound, its propagation in different media. *Draw waves of different- (i) loudness (ii) pitch *Relation between amplitude, frequency and time-period. *Explain conditions necessary for the production of ECHO. *Ways to reduce Reverberation	Art integrated project- #individual student will survey on any one city of Bihar and study the 10 sources of sound in local community then they categorised them as music and noise # In group students will make a 3-D model on the topic Sound/ types of waves/characteristics of sound/Echo/Reverberation. Activities- # Students in group study the speed of sound in different media, and effects of speed of sound on temperature.	(1) Verification of laws of reflection of sound. (2) Determination of the speed of a pulse propagated through a stretched string/ slinky (helical spring)	*Students are understand the concept of production and propagation of sound. *They develop the skill to identify different loudness and amplitude of sounds. *They develop the approach to differentiate sounds on the basis of their timbre, intensity of sounds.

CLASS : IX

SUBJECT: PHYSICS

JULY AND AUGU ST	CH- 04 DESCRIBING MOTION AROUND US/ Distance and displacement, uniform and non- uniform motion, speed and velocity, Acceleration, distance-time and velocity-time graphs, elementary idea of uniform circular motion.	12 PERIO DS(8 hrs) PT I EXAM S (07/13 /26)	Students will be able to make – *Difference between- (a)rest and motion, (b) Vector and Scalar, (c) speed and Velocity, *Concept of acceleration, its types, *Graphical representation of motion, *Uniform circular motion.	Activities- #Individually students will ask to calculate distance and displacement when a person moves half round of basket-ball court. # They will ask to observe uniform and non-uniform motion of given object. # In groups they will ask to identify everyday life motions in different ranges. # Individually they will ask to show the distance travelled by two persons in a given time on the same graph.	-----	They able to achieve core competencies i.e. self - management, social awareness, relationship skill and collaboration.
SEPTE MBER AND	CH-06 HOW FORCES AFFECTS MOTION/	15PER IODS(10 hrs)	Students will be able to- *Explain Force and its types.	Activities- #Individually students will demonstrate	-----	#Develop the Technical skills (teamwork, leadership skill) among the students. #Develop cognitive abilities like problem-solving, critical thinking.

CLASS : IX

SUBJECT: PHYSICS

OCTOBER	Force, its types, Newton's first, second and third law of motion, action and reaction forces, Inertia of body, inertia and mass, momentum, their SI units, Law of conservation of momentum, application of laws.	PT-II EXAM S (09/01/26)	*Inertia and its dependence on mass. *Laws of motion and their everyday applications, *concept of momentum. *Law of conservation of momentum and its examples.	inertia of rest with the help of a coin, glass tumbler and a card. #In groups they will Displaying Inertia of motion with simple activities. #Individually students will demonstrate Concept of instantaneous force.		
NOVEMBER AND DECEMBER	CH-07 WORK, ENERGY AND SIMPLE MACHINES/ Work, its SI unit and formula, types of work done, Energy, its different types, Kinetic Energy its expression, Work-Energy theorem, Potential energy, expression for it, Gravitational potential energy, transformation of energy, law of conservation of energy, Power. Its different units, electrical energy, its commercial unit,	15 PERIODS (10 hrs) PT III EXAM S (11/16/26)	Students will be able to- *Define work done by the body on the body. *Types of work done and their identification for given case. *Understand concept of Energy and their conversion from one form to another. *Use of energy transformation in different devices. *Deduce the relationship between kinetic energy and potential energy. * Law of conservation of energy.	Activities- #Individually students will identify either work done or not in different day-to-day situations, they will classify them as positive, negative and zero work. #In group students will discuss sources of energy and classify them. #Individually they will study energy associated with slinky, an arrow and the stretched string on the bow.	-----	Focus on achieving objectives, delivering outcomes, and measuring performance i.e. Result-Oriented. Develop adaptability among students.

CARMEL CONVENT SR SEC SCHOOL,RATANPUR, YEAR PLANNER:2026-27(CLASSES IX TO XII)

CLASS : IX

SUBJECT: PHYSICS

	simple machines, pulley, inclined plane, lever, fulcrum, effort, load.			# Group activity to discuss conversion of energy from one form of energy to another during many human activities and gadgets.		
JANU RY	TERM II EXAMS (01/20/27)	FULL SYLLA BUS	REVISION			

NAME OF INCHARGE TEACHERS: Mrs. Sandesha Dani, Mrs. Sapna Nair

SIGNATURE OF SUBJECT CORDINATOR: Mrs. Archana Talele

SIGNATURE OF PRINCIPAL:Sr.Rose Tom

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27,

CLASS - IX

SUBJECT- CHEMISTRY

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/ PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	Chapter 1 Exploring mixtures and their separation techniques Topics : Homogeneous and heterogeneous mixtures, solutions ,suspension , colloids Various ways to express concentration of solutions	12 periods 8 hrs	Differentiate between homogeneous and heterogeneous mixtures Classify mixtures as solution, suspension and colloids. Apply the knowledge of types of mixtures in everyday life. Define and calculate the concentration of solutions . Compare efficiency of different methods for same	1Preparation of a) a true solution of common salt, sugar and alum. b) a suspension of soil, chalk powder and fine sand in water. c) a colloidal solution of starch in water and distinguish between these on the basis of transparency, filtration, stability and Tyndall effect. 2 Separation of components of mixtures using different techniques a) oil and water-separating funnel. b) Colours in black ink- paper chromatography	Correlate the	Observation, classification, scientific inquiry, Analytical Skill: Distinguish colloid vs suspension by Tyndall effect Critical thinking: choose best separation

June	Separation techniques including Crystallization, distillation, paper chromatography, sublimation, centrifugation and coagulation	2 hrs	mixture Link separation techniques to industries like petroleum refining, metal extraction	c) Ammonium chloride and common salt-sublimation d) Muddy water using alum-Coagulation	phenomenon used in centrifugation to the spinning dance	technique and justify with reason
July	PT- 1 (ch-1) Chapter 2: Structure of Atom Topic: Atoms are the basic units of elements. Atoms consist of subatomic particles Atomic models, Symbols, Valency	16 periods 8 hr	Explain the evolution of atomic models and identify subatomic particles and their characteristics Illustrate how electrons are distributed in different energy levels.	Charge demonstration by simple activity	An art integrate 3D decorative item on structure of atom including art of Bihar	Conceptual Understanding: Define Subatomic particles with charge, mass and location Scientific inquiry: Interpret Rutherford's gold foil experiment.

August	Chapter 2 Atomic number and mass number Isotopes and isobars	4 hr	Determine atomic structure using atomic number and mass number; Write electronic configurations of first 20 elements	Data collection: Collect information about uses of isotopes from newspaper/internet and paste in your notebook		Analytical skill: Write electronic configuration upto $Z = 18$ Problem solving: Find p, e, n and electronic configuration for element X with $Z = 12$
September	Revision + PT 2 Examination (ch-1 and 2)		Consolidate concepts from Chapters 1 and 2	Worksheets, quizzes,		Self-assessment,
October	Chapter - 3 Atoms and Molecules Topics: Laws of conservation of mass Law of constant proportion Dalton's Atomic theory, Molecules of elements, molecules covalent compounds	14 Periods 7 hr	Explain laws governing chemical combinations and relate them to atomic theory. Differentiate between molecules of element and molecules of compound .Draw diagrams of electron dot	Verification of the law of conservation of mass		Scientific Reasoning: Explain why atoms don't exist independently Analytical and Logical Skill: Compare mass of 1 molecule vs 1 mole vs 1 gm of same substance

	and their properties, Ions , ionic compounds and their properties		structures of atoms and molecules			
November	Chapter 3 Writing chemical formulae, molecular mass Formula unit mass	3 hr	Calculate molecular masses, Use symbols and valency to write the chemical formula	Fun games for writing chemical formula		Numeracy, problem-solving, scientific communication
December	PT- 3 (ch-3) Chapter 4: Earth as a System: Energy, Matter and Life Earth as interconnected system Nature of solar energy, Solar energy interaction with the Earth's surface and differential heating of the Earth	12 periods 9 hr	Explain Earth as an interconnected system and identify interactions among its spheres. Reflect changing nature of Earth's environment through our traditional knowledge Pose questions such as – What will happen if there is no differential heating of	Draw flow charts, concept maps for Biogeochemical cycles. Group discussion on environmental interdependence		Systems thinking: Explain Earth as a system of 4 spheres., Environmental awareness: Appreciate interdependence; No sphere can exist alone Sustainability awareness,, critical thinking, Higher-order thinking, application and synthesis

	Biogeochemical cycles Human impact on Earth's system		the earth? Describe how elements like carbon, nitrogen, oxygen and water are recycled between biotic and abiotic environment			
January	Revision and Competency-Based Practice Final Examination (ch 1 to 4)					

Name of Incharge Teachers: _____

Signature of Coordinator: _____

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27 ,

CLASS - IX

SUBJECT-HINDI

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	गद्य- 'दो बैलों की कथा' व्याकरण पाठ- शब्द-भंडार (पर्यायवाची), विराम चिह्न, उपसर्ग-प्रत्यय	10 10	कहानी के माध्यम से विद्यार्थी स्वाधीनता का महत्व, पशु-मानव संबंधों, मानवीय क्रूरता का विरोध एवं सच्ची मित्रता के मूल्य को समझ सकेंगे। भाषा के महत्वपूर्ण अंशों एवं उनके प्रयोग को समझ सकेंगे।	अपने पालतू पशु का कोई अनुभव साझा करो। व्याकरण पाठों पर आधारित कार्य-प्रपत्र पूर्ण कीजिए।	'पशुओं पर अत्याचार बंद करो' विषय पर स्लोगन सहित पोस्टर बनाइये। उपसर्ग-प्रत्यय पर आधारित शाब्दिक खेल बनाइए।	शब्द संपदा, व्याकरणिक दक्षता, समानुभूति, चरित्र विश्लेषण, समस्या-समाधान, सामाजिक चेतना भाषा ज्ञान में दक्षता
June	गद्य- क्या लिखूं	6	विद्यार्थी लेखन हेतु विषय के चुनाव, अनुभूति की प्रधानता, भाषा शैली एवं विषय की व्यापकता को समझेंगे।	"अच्छे लेखन हेतु बड़ी-बड़ी घटनाएं जरूरी हैं या साधारण अनुभव काफी हैं" - विषय पर वाद-विवाद कीजिए।	अपने फोन से खींची गई किसी फोटो पर 10 वाक्य लिखिए।	आत्म-विश्लेषण, दृष्टि विकास, मौलिक चिंतन, संप्रेषण कौशल

	पद्य - रैदास के पद व्याकरण पाठ- संज्ञा	8 5	विद्यार्थी जाति-भेद भुलाकर ईश्वर के प्रति एकनिष्ठ प्रेम को समझेंगे। विद्यार्थी संज्ञा एवं उसके भेदों से परिचित होंगे।	चमड़े का कार्य करने वाले रविदास एक महान संत बने कैसे ? चर्चा कीजिए। संज्ञा शब्दों पर आधारित वर्ग पहेली हल कीजिए।	रैदास के पद को गीतबद्ध कीजिए और कक्षा में सुनाइए।	सामाजिक चेतना, पद गायन दक्षता भाषायी दक्षता
July	गद्य - संवादहीन पद्य - राम-लक्ष्मण परशुराम संवाद व्याकरण पाठ - मुहावरे, सर्वनाम, निपात PT-1 13/7/2026	8 10 10	विद्यार्थी शहरी जीवन की त्रासदी को समझते हुए रिश्तों के मशीनीकरण से बचने का प्रयास करेंगे। विद्यार्थी विषम परिस्थितियों में भी धैर्य विनम्रता और शालीनता का प्रयोग करना सीखेंगे। दैनिक बोलचाल की भाषा में मुहावरों, सर्वनाम और निपात के महत्व को समझ सकेंगे।	कल्पना कीजिए कि घर में 24 घंटे के लिए फोन, टीवी बंद किया गया है. घर में क्या बदलेगा? 100 शब्दों में लिखिए। कल्पना कीजिए कि आज के समय में यदि यह घटना होती और राम, लक्ष्मण, परशुराम जी की जगह विद्यालय के प्राचार्य कक्षा नवी का छात्र और उसके नाराज अभिभावक होते तो क्या होता ? संवाद लिखिए। विविध मुहावरों पर आधारित कहानी लेखन कीजिए।	“संवाद बचाओ”- विषय पर विज्ञापन लेखन कीजिए। राम, लक्ष्मण और परशुराम जी के मुखौटे बनाकर पहनिए और कक्षा में संवादों की अभिनयात्मक प्रस्तुति दीजिए। प्रवाह-चित्र बनाकर सर्वनाम और उसके भेदों को स्पष्ट कीजिए।	आधुनिक जीवन की विडंबना, शहरीकरण का प्रभाव ,समय प्रबंधन संवाद कौशल की पहचान, धैर्य और आत्मसंयम, क्रोध-प्रबंधन भाषायी दक्षता मुहावरेदार भाषा का प्रयोग

August	गद्य -ऐसी भी बातें होती हैं व्याकरण पाठ - संवाद लेखन, दृश्य-वर्णन, अनुच्छेद लेखन, पत्र लेखन	8 10	विद्यार्थी लता मंगेशकर जी के साथ-साथ हिंदुस्तानी शास्त्रीय संगीत के परिचय , गुरु-शिष्य परंपरा एवं कला-साधना के महत्व को भी जानेंगे। विद्यार्थी रचनात्मक लेखन की बारीकियां को समझेंगे।	पंडित भीमसेन जोशी और बिस्मिल्लाह खां जी को भारत रत्न कब मिला ?उन्हें यह सम्मान क्यों प्रदान किया गया? अपने मित्र को पत्र लिखकर विद्यालय में होने वाली नवीन गतिविधियों के विषय में बताइए।	अपने विद्यालय के संगीत शिक्षक का साक्षात्कार लीजिए। विद्यालय में होने वाले किसी कार्यक्रम हेतु पटकथा-लेखन कीजिए।	शास्त्रीय संगीत की समझ, कला परंपरा का ज्ञान , समन्वय, श्रम और साधना का सम्मान, लक्ष्य के प्रति समर्पण रचनात्मक कौशल का विकास
September	अर्धवार्षिक परीक्षा PT-2 01/9/2026		अर्धवार्षिक परीक्षा	अर्धवार्षिक परीक्षा	अर्धवार्षिक परीक्षा	अर्धवार्षिक परीक्षा
October	गद्य - आखिरी चट्टान तक पद्य-भारति, जय विजय करे	8 8	विद्यार्थी प्रकृति की विराटता एवं पर्वतारोहण की प्रक्रिया को समझ सकेंगे। विद्यार्थी सांस्कृतिक एकता का अनुभव कर भारत की अखंडता के प्रति गौरव एवं देश-प्रेम की भावना से अभिभूत होंगे।	‘आखिरी चट्टान तक’ शीर्षक का क्या मतलब हो सकता है? लक्ष्य ,जिद या हिम्मत.... कक्षा में चर्चा कीजिए। देशभक्ति के भावों पर आधारित कविताओं का चयन कर कक्षा में सुनाइए।	पर्वतारोहण की प्रक्रिया को मानचित्र के द्वारा समझाइए। किसी समाचार पत्र अथवा पत्रिका से जवान, किसान , वैज्ञानिक, गंगा एवं हिमालय आदि के चित्र काटकर मेरा भारत महान पर आधारित कोलाज बनाइए।	नेतृत्व क्षमता, संकट प्रबंधन कौशल टीमवर्क एवं सहयोग राष्ट्र गौरव का बोध, एकता में विविधता के दर्शन,कर्तव्य बोध

	व्याकरण पाठों की पुनरावृत्ति	6	भाषा कौशल का विकास कर सकेंगे।	कार्य-प्रपत्र		भाषा ज्ञान में दक्ष
November	गद्य -रीढ़ की हड्डी	8	विद्यार्थी एकांकी विधा एवं दहेज प्रथा जैसी सामाजिक समस्या से परिचित होंगे।	“दहेज लेना-देना; अपराध या मजबूरी” - कक्षा में दो दल बनाकर वाद-विवाद आयोजित कीजिए।	विद्यालय मंच पर एकांकी की प्रभावशाली प्रस्तुति दीजिए।	चारित्रिक दृढ़ता, दहेज विरोधी चेतना, लैंगिक समानता, सामाजिक कुरीतियों की पहचान
	पद्य -झांसी की रानी	8	विद्यार्थी रानी लक्ष्मीबाई के चरित्र, देशभक्ति भाव एवं प्रथम स्वतंत्रता संग्राम में उनकी भूमिका को समझ सकेंगे।	रानी लक्ष्मीबाई अंग्रेज गवर्नर को पत्र लिख रही हैं-” मैं झांसी नहीं दूंगी क्योंकि.....” 80 शब्दों में पत्र पूरा कीजिए।	भारत के मानचित्र में झांसी तथा अन्य वीरों की जन्म भूमि को चिह्नित कीजिए।	देशप्रेम, राष्ट्र के प्रति गौरव
	व्याकरण पाठों की पुनरावृत्ति PT-3 16/11/2026	8	भाषा कौशल को विकसित कर सकेंगे।	कार्य - प्रपत्र		भाषायी दक्षता

December	गद्य - मैं और मेरा देश	5	विद्यार्थी जानेंगे कि देश कोई नक्शा या सरकार नहीं, बल्कि मैं, तुम और हम सब से मिलकर बनता है।	'मैं बदलूंगा- देश बदलेगा' - विषय पर पांच संकल्प लिखो।	'देश का आईना' विषय पर लघु नाटिका प्रस्तुत कीजिए।	राष्ट्र निर्माण में भागीदारी, कर्तव्य-बोध
	पद्य - घर की याद व्याकरण पाठों की पुनरावृत्ति	5	विद्यार्थी समझेंगे कि घर सिर्फ ईंट दीवार नहीं, बल्कि माँ की ममता, बाबूजी की डांट, भाई-बहन का प्यार एवं भावनाओं का संसार है।	'वह एक शाम घर वाली " विषय पर आत्मकथात्मक शैली में संस्मरण लिखिए।	परिवार का सचित्र वंश वृक्ष बनाया।	परिवार का महत्व, संवेदनशीलता , जड़ों से जुड़ाव
January	पाठ्यक्रम पुनरावृत्ति वार्षिक परीक्षा 20/01/2027		पाठ- प्रत्यास्मरण	पाठ- प्रत्यास्मरण		
February	वार्षिक परीक्षा		वार्षिक परीक्षा	वार्षिक परीक्षा		

Name of Incharge Teachers: _____

Signature of Coordinator: _____

Signature of Principal: _____