

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS -6

SUBJECT-VOCATIONAL EDUCATION

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PR ACTICAL	ART INTEGRA TED ACTIVIT Y	KEY COMPETENCIES
APRIL/ JUNE	PROJECT -1 Learn about the tools and materials Make a vermicompost Take measures for care of plants and maintenance of kitchen garden	8hrs	Students will be able to Identify common gardening tools, equipment and materials, describe theirs uses Plant seeds and help them to grow through watering organic manure and taking care, observe the plant growing and finally harvesting	GARDEN CARE DAY (to remove weeds, loosening soil, checking dry leaves and compost used. Growing basic food in pot. Showing video (the process involves in vermicomposting)		Appreciates sustainability practices. Understand of biodegradable waste and show awareness in importance of recycling organic waste Demonstrates responsibility towards assigned tasks
JULY	PROJECT -2 Learn about biodiversity register Record and collect information of the biodiversity around yourself as around	8hrs	Students will be able to Know about the different plants growing around their areas (in all season as well	Make a record of biodiversity in crops, fruit plants, fodder plants (plant name, local name, scientific name, variety name, plating		* Understands basic relationships (plants provide food/oxygen, animals depend on plants)

	school, near home, water bodies as ponds, forest, farm, parks, nursery and keep record of the information		as seasonal plants) Observing the season of crops and fruits harvested. Observing the birds that often visit your place note down on basis of their looks, behavior.	method, fruiting season, uses. School Biodiversity Walk (identify different living organisms around the school). To observe Plants (trees, shrubs, herbs). Animals (birds, insects, small animals) Note names (local/common name if scientific name not known) Activity: "Create a Biodiversity Register" maintain a notebook with columns like: Date, Name of organism, Type (plant/animal/bird/insect), Location found, Special features (color, size, behavior)		Recognizes simple food chains. Shows care toward plants and animals. Avoids harming living organisms during observation. Develops respect for nature
AUGUST	Project-3 Maker skill Learn about simple machines. Make toys from waste using simple machines. How to maintain and repair bicycle	8hrs	Make toys from various materials using simple machines as propeller boat, rubber band car, balloon car. Identify the various simple machines present in bicycle. (lever,	Make a rubber band car using cloth clips, straw, tooth pick, bottle cap, cellophane tape, scissors, rubber band and glue Demonstrate the various Parts of bicycle and their		Identifies simple machines used in a bicycle. Explains how to maintain the bicycle to work smoothly. Recognizes main parts:(Wheels, pedals, chain, brakes, handle, seat)

			wheel and axle, pulley, wheel) Identify the common problem with bicycle and perform maintenance.	function, fixing some common problem related to bicycle (applying oil to rusted part, to move wheel freely) to ensure it keeps running smoothly. Performs simple tasks:(Inflating tyre, tightening nuts and bolts, Cleaning and oiling the chain, assists in fixing minor issues (loose chain, brake adjustment)		Understands basic function of each part
OCTOBER	Project -4 Animation and games Communicate with device.	8hrs	Students will learn to Make a model of an offline game. Use scratch, Design try out and improve online games.	Make a model of favorite games using craft materials (ludo, snake and ladder) Build characters, objects and backdrop of your game. Create an animated birthday card for your friend.		drawing, character design, background creation, and visual storytelling. This builds the foundation for both animation and game art.
NOVEMBER	PROJECT -5 School museum Create museum by collecting and describing artefacts	6hrs	Students will learn How museum preserves history and tradition.	Make a table identifying 5 artefacts and Collect the photos of various artefact and record the details as its		Students develop practical, technical, creative, and professional skills through artefact-based

	Visit to a virtual museum		Identify artefacts and learn about them.	history/usage/still being used and how they are preserved Create slide presentation or use chart, colored pens to make poster describing the artefact		projects, making them ready for real-world work.
DECEMBER	PROJECT-6 Fireless cooking Cooking without fire, and tools (equipment, measure ingredients and prepare food items) Prepare beverages	6hrs	Students will learn to Use basic kitchen tools, equipment's and utensils. Prepare tasty dishes without fire and present in attractive ways.	To prepare butter milk, jaljeera, fruit chat, shrikhand, bhel puri, sprouts, sandwich, coconut balls		Basic Food Preparation Skills • Measure ingredients correctly: cups, spoons, grams • Peel, chop, slice, and grate using safe techniques

Name of Incharge Teachers: Mrs. Zeenat Arif, Mrs. Renuka David, Mr. Tikesh

Signature of Coordinator: _____

Signature of Principal: _____

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CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS- VI

SUBJECT- ART EDUCATION (Craft)

MONTH	CHAPTERS	LEARNING OUTCOMES	SUGGESTED ACTIVITIES/ ASSESSMENT	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL 2026	4: Paper Crafts - Introduction to Paper Art	Students learn to express themselves creatively using paper techniques like folding, cutting, and weaving, while discovering traditional Indian arts like Sanjhi paper cuts.	Paper folding, cutting and simple craft activities.	Paper folding, cutting and simple craft activities.	Mastering paper manipulation techniques (folding, cutting, and weaving) and appreciating traditional Indian paper arts.
JUNE 2026	4: Paper Crafts - Techniques and Designs		Create paper flowers, decorative items.	Use recycled paper to create eco-friendly crafts.	
JULY 2026	4: Paper Crafts - Creative Projects		Individual paper craft project and display.	Sanjhi art	
AUGUST 2026	4, paper craft		Exploring different weaving techniques	Creating a paper mat through weaving	
SEPTEMBER 2026 TERM-1	HALF YEARLY ASSESSMENT PRACTICAL EVALUATION				
OCTOBER 2026	5: Seals to Prints - Introduction to Printing	Students explore the history and design of seals to create their own custom stamps, learning how to repeat these impressions to build traditional Ajrakh-inspired textile patterns.	Make simple printing blocks and explore patterns.	Study traditional prints and create pattern designs.	Designing custom stamps from various materials and repeating the impressions to create traditional block-printed textile patterns.
NOVEMBER 2026	5: Seals to Prints - Print Making Techniques		Vegetable printing, block printing and pattern activities.	Create textile-inspired prints using repeated patterns.	
DECEMBER 2026	5: Seals to Prints - Creative Print Composition		Poster and decorative print work.	Combine prints with messages and slogans.	
JANUARY 2027	REVISION AND CRAFT SUBMISSION				
FEBRUARY 2027 TERM-2	FINAL ASSESSMENT CHAPTER 4 & 5				

Name of the In charge teacher: Rati Sharma .

Signature of coordinator: _____.

Signature of Principal: _____.

CARMEL CONVENT SR. SEC. SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - 6th

SUBJECT- Hindi

Month	Unit / Chapter	Time	Learning Outcomes	Suggested Activities / Assessment	Art Integrated Activity	Key Competencies
April	पाठ-1 (हिम्मत)	5 Hrs	आत्मविश्वास, साहस और निरंतर प्रयास का महत्व समझना। हिम्मत कभी न हारना, नकारात्मक सोच से दूर रहना, आत्मविश्वास और मेहनत से हर कार्य को सफल बनाना।	कविता का ओजस्वी वाचन। हिम्मत क्यों आवश्यक है?' समूह चर्चा	'हिम्मत न हारो' विषय पर प्रेरणादायक पोस्टर बनाना।	आत्मविश्वास एवं सकारात्मक सोच का विकास।
	पाठ-2 (बात ऐसे बनी)	5 Hrs	व्यक्ति सभी कार्य में निपुण नहीं हो सकता। जिसका काम उसी को साजै कहावत का पाठ के आधार पर अर्थ समझना। कौशल के अनुसार कार्य करना। कठिन परिस्थितियों में धैर्य बनाए रखने की प्रेरणा प्राप्त करना।	सचित्र लेखन एवं मौखिक प्रश्नोत्तर।	तेनालीराम की कोई लघु कथा ढूँढकर लिखिए।	योग्यता के अनुसार काम का चुनाव करना चाहिए।

	व्याकरण- भाषा, बोली, लिपि और व्याकरण	4 Hrs	भाषा, बोली, लिपि एवं व्याकरण का अर्थ और महत्व समझना।	विभिन्न भाषाओं की लिपियाँ लिखना।	भारतीय भाषाओं एवं लिपियों का चार्ट तैयार करना।	भाषाई ज्ञान एवं अभिव्यक्ति क्षमता में वृद्धि।
June	पाठ-3 (आधुनिक कूड़ेदान)	8 Hrs	स्वच्छता और पर्यावरण संरक्षण का महत्व समझना। कचरे के उचित निष्पादन एवं पुनर्चक्रण की जानकारी प्राप्त करना।	विभिन्न प्रकार के कूड़ेदानों के चित्र बनाना।	‘स्वच्छ भारत’ विषय पर विज्ञापन निर्माण।	पर्यावरण के प्रति जिम्मेदारी की भावना।
	व्याकरण- वर्ण-विचार, मुहावरे, अपठित बोध, पत्र-लेखन	12 Hrs	स्वर, व्यंजन एवं मुहावरों का प्रयोग सीखना। औपचारिक एवं अनौपचारिक पत्र लेखन का अभ्यास करना।	मुहावरों का वाक्यों में प्रयोग। पत्र लेखन गतिविधि। अपठित गद्यांश हल करना।	मुहावरों की चित्रात्मक प्रस्तुति।	रचनात्मक लेखन एवं भाषा प्रयोग में दक्षता।
July PT-1 Syllabus पाठ्यपुस्तक पाठ-1,2 व्याकरण	पाठ-4 (मुक्ति का आकाश)	5 Hrs	स्वतंत्रता के महत्व को समझना।	पक्षियों की स्वतंत्रता पर चर्चा।	पर्यावरण संरक्षण पर दो पक्षियों के संवाद लिखना। ‘स्वतंत्रता’ विषय पर पोस्टर।	पर्यावरण एवं स्वास्थ्य के प्रति जागरूकता।

पाठ-1,2	पाठ-5 (मैंने सीखी साइकिल) व्याकरण- शब्द-विवेक, शब्द-मंजूषा, अनुच्छेद लेखन	5 Hrs 10 Hrs	स्वास्थ्य एवं पर्यावरण संरक्षण में साइकिल के योगदान को जानना। पर्यायवाची, विलोम एवं अनेकार्थी शब्दों का ज्ञान प्राप्त करना। अनुच्छेद लेखन कौशल विकसित करना।	साइकिल चलाने के अनुभव साझा करना। शब्द भंडार गतिविधियाँ। अनुच्छेद लेखन अभ्यास।	साइकिल का चित्र बनाकर उसके विषय में पांच वाक्य लिखिए। प्रकृति से संबंधित किन्हीं पाँच शब्दों के पर्यायवाची शब्द लिखिए।	साइकिल चलाने के लाभ जानेंगे। अभिव्यक्ति कौशल एवं शब्द-भंडार में वृद्धि।
August	पाठ-6 (मेरी माँ) पाठ-7 (नई तकनीक)	4 Hrs 4 Hrs	माता के प्रति सम्मान एवं कृतज्ञता की भावना विकसित करना। मां के प्रति आभार की भावना विकसित करना। रामप्रसाद बिस्मिल का स्वातंत्र्योत्तर योगदान समझना। डिजिटल दुनिया से आशय और उसकी सुविधाओं को समझना। इंटरनेट के सही एवं सुरक्षित प्रयोग को समझना। तकनीक की अद्भुत क्षमताओं का ज्ञान तकनीक के सुरक्षित एवं उचित प्रयोग को समझना।	ओजस्वी वाचन एवं शब्दार्थ लेखन। सचित्र लेखन एवं मौखिक प्रश्नोत्तर। तकनीक के लाभ-हानि पर चर्चा।	मातृ दिवस हेतु ग्रीटिंग कार्ड बनाना। डिजिटल तकनीक पर चित्रात्मक प्रस्तुति।	परिवारिक मूल्यों का विकास। तकनीकी समझ में वृद्धि।

	पाठ-8 (पंजाब में फुलकारी)	4 Hrs	भारतीय हस्तकला एवं सांस्कृतिक विरासत का परिचय प्राप्त करना। कला आर्थिक सशक्तिकरण का आधार होती है। फुलकारी से लाभ तथा पारंपरिक कला का परिचय प्राप्त करना।	फुलकारी के चित्र एकत्रित करना। सांस्कृतिक गतिविधियों में सहभागिता।	फुलकारी कला से प्रेरित रंगीन डिज़ाइन बनाइए।	भारतीय संस्कृति एवं पारंपरिक कला के प्रति सम्मान की भावना विकसित होगी।
	व्याकरण- उपसर्ग, प्रत्यय, समास, संज्ञा	10 Hrs	उपसर्ग, प्रत्यय एवं समास से नए शब्द बनाना सीखना। संज्ञा के भेद एवं प्रयोग को समझना।	उपसर्ग-प्रत्यय से नए शब्द बनाना। व्याकरण अभ्यास कार्य।	उपसर्ग एवं प्रत्यय से बने शब्दों का रंगीन चार्ट तैयार कीजिए। समास के उदाहरणों का चित्रात्मक प्रदर्शन कीजिए।	भाषा ज्ञान, शब्द निर्माण क्षमता तथा व्याकरणिक दक्षता में वृद्धि होगी।
September Term-1 Syllabus पाठ्यपुस्तक पाठ-1 से 7 एवं व्याकरण- पाठ- 4,6 से13, 22,23,25,26, 27,29	पुनरावलोकन एवं परीक्षा तैयारी		सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति द्वारा सुदृढ़ीकरण। महत्वपूर्ण व्याकरणिक अवधारणाओं का पुनः अभ्यास।	प्रश्नोत्तर अभ्यास। मॉडल पेपर समाधान। समूह चर्चा एवं पुनरावलोकन।	पाठों पर आधारित माइंड मैप तैयार करना।	आत्ममूल्यांकन एवं परीक्षा तैयारी कौशल विकसित करना।
October	पाठ-9 (किफ़ायत)	4 Hrs	बचत और आर्थिक प्रबंधन का महत्व समझना। बचत का महत्व जानना, खर्च को	दैनिक खर्चों की सूची बनाकर अनावश्यक खर्च पहचानिए।	पुराने डिब्बे से गुल्लक बनाना।	आर्थिक जागरूकता

	पाठ-10 (अच्छे पड़ोसी)	4 Hrs	नियंत्रित करना, पैसों का महत्व समझना। परोपकार का भाव जाग्रत करना।			
	व्याकरण- विशेषण, क्रिया, काल, लिंग, वचन, कारक, सर्वनाम	20 Hrs	पड़ोसी का जीवन में महत्व, अच्छे पड़ोसी बनने को प्रेरित करना, मेल-मिलाप का जीवन पर प्रभाव जानना। अच्छे पड़ोसी बनने के गुण सीखना। विशेषण, क्रिया एवं काल लिंग, वचन, कारक एवं सर्वनाम का सही प्रयोग सीखना।	अपने पड़ोसी के बारे में बोलना। क्रिया एवं काल आधारित मौखिक प्रश्नोत्तर एवं व्याकरण अभ्यास।	पड़ोसियों के सहयोग को दर्शाता संवाद-चित्र तैयार कीजिए। लिंग, वचन एवं सर्वनाम के उदाहरणों का चार्ट तैयार कीजिए।	सामाजिक संबंधों का महत्व समझना। भाषा के शुद्ध प्रयोग की क्षमता विकसित होगी।
November PT-2 Syllabus पाठ्यपुस्तक- पाठ- 8,9 व्याकरण- पाठ - 14,15	पाठ-11 (संतों की वाणी)	6 hrs	संत कवियों के दोहों से जीवन मूल्यों को समझना। कबीरदास एवं रहीमदास का जीवन-परिचय प्राप्त करना। भेदभाव, कुरीतियों तथा अंधविश्वास के दुष्प्रभाव जानना।	दोहों का लयबद्ध गायन।	शिक्षाप्रद दोहों का चार्ट बनाना।	नैतिक मूल्यों का विकास।
	पाठ-12 (दुबई की सैर)	5 Hrs	दुबई की विस्तृत जानकारी प्राप्त करना। यात्रा विवरण लेखन	यात्रा वर्णन लिखना।	दुबई के प्रमुख स्थलों का चित्र संग्रह तैयार कीजिए।	विभिन्न संस्कृतियों एवं देशों के प्रति जिज्ञासा बढ़ेगी।

	व्याकरण- अव्यय, वाक्य	7 Hrs	विधि समझना। भारत की सांस्कृतिक विरासत पर गर्व अनुभव होना। अविकारी शब्दों से आशय, प्रकार और पहचान का वाक्य के भेद एवं अव्यय शब्दों की पहचान करना।	वाक्य रचना अभ्यास।	अव्यय शब्दों एवं वाक्य भेद का रंगीन चार्ट बनाइए।	भाषा की शुद्धता, वाक्य निर्माण क्षमता एवं व्याकरणिक दक्षता में वृद्धि होगी।
December	पाठ-13 (परीक्षा)	5 Hrs	परीक्षा की सार्थकता समझना। सच्ची योग्यता केवल ज्ञान या प्रदर्शन में नहीं, बल्कि नैतिकता, उदारता और साहस में होती है। कर्तव्यनिष्ठ व्यक्ति दया और धर्म से पीछे नहीं हटता।	परीक्षा की तैयारी पर चर्चा।	परीक्षा की तैयारी पर संवाद लेखन।	परीक्षा के प्रति सकारात्मक दृष्टिकोण विकसित होगा।
	व्याकरण- वर्तनी शोधन, विराम चिह्न	15 Hrs	शुद्ध वर्तनी और विराम चिह्न का भाषा में महत्व समझना।	अशुद्ध वाक्यों को शुद्ध करना।	“शुद्ध भाषा, सुंदर भाषा” विषय पर रचनात्मक पोस्टर बनाना।	पठन, लेखन एवं अभिव्यक्ति कौशल में सुधार होगा।
January	पाठ-14 (अपनी-अपनी समझ)	6 Hrs	केवल कामना करने से सफलता नहीं मिलती। कर्म करने से ही सफलता मिलती है। मेहनत और प्रयास के	कविता का भावार्थ लिखना।	कविता को कहानी के रूप में प्रस्तुत करना।	जीवन में प्रयास और समर्पण के महत्व को समझने की क्षमता विकसित होगी।

	व्याकरण- चित्र- वर्णन, संवाद लेखन	12 Hrs	बिना सफलता नहीं मिलती। चित्र को देखकर घटना,लेख,कहानी लिखना ही चित्र- वर्णन कहलाता है। संवाद लेखन का अर्थ एवं लेखन- कौशल का विकास करना।	चित्र देखकर कहानी लिखना। संवाद लेखन अभ्यास।	कॉमिक स्ट्रिप बनाकर संवाद लेखन प्रस्तुत कीजिए।	रचनात्मक लेखन एवं कल्पनाशक्ति का विकास होगा।
February Term-2 Syllabus पाठ्यपुस्तक- पाठ- 8 से 14 व्याकरण- पाठ- 14 से 20,22,23,25,2 6,29	पुनरावलोकन एवं वार्षिक परीक्षा तैयारी	20 hrs	सम्पूर्ण पाठ्यक्रम का पुनरावृत्ति द्वारा सुदृढीकरण। महत्वपूर्ण व्याकरणिक अवधारणाओं का पुनः अभ्यास।	प्रश्नोत्तर अभ्यास। मॉडल पेपर समाधान। समूह चर्चा एवं पुनरावलोकन।	पाठों पर आधारित माइंड मैप तैयार करना।	आत्ममूल्यांकन एवं परीक्षा तैयारी कौशल विकसित करना।

Name of Incharge Teachers: Namrata Patharkar, Sushma Ekka, Harish Donald

Signature of Coordinator: _____

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - 6

SUBJECT-CHEMISTRY

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/ PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL AND JUNE	LS-6 MATERIAL AROUND US *Objects and materials *Classification of an object based on properties and its importance *Properties of (physical state, appearance, hardness, texture, transparency, solubility, mass and volume of matter)	14 periods (9hrs)	1. Identify different kinds of materials used to make an object as well as same material making different kinds of objects, based on their properties of usage and relate the material to their uses. 2. Classify materials based on the properties as (lustrous/ non-lustrous, hard/soft/, rough/ smooth, transparency) 3. Differentiate between soluble and insoluble substance in water. (solid in liquid and liquid in liquid) by performing simple experiments.	* Solubility Test: Take glass tumblers filled with water and add small amounts of different substances: Soluble: Sugar, salt, and glucose. Insoluble: Sand, chalk powder, sawdust, and mustard oil. *Transparency Challenge: Test materials with a torch or by looking through them to classify them as Transparent, Translucent, Opaque. *Mass Comparison: Fill identical paper cups with different materials (e.g., water, sand, pebbles) and	*Waste to Best Craft Create useful items from waste materials (bottle pen stand, newspaper basket) Decorate creatively.	Learners can Observe and identify different materials in the surroundings Notice properties like colour, texture, and appearance * Students can apply the skill to Relate properties of materials to their uses in daily life. (Why metals are used for utensils, glass for windows) *Students will analyze and Compare materials and Identify similarities and differences

			4. Develop observation and comparison skills (differences and similarity among materials.)	use a balance to see which has more mass. Space and Volume: Compare two identical tumblers filled with different amounts of water to observe how they occupy space (volume).	Make a collage on chart paper. Divide it into sections: Hard / Soft, rough/smooth, lustrous /non-lustrous, transparency	
JULY AND AUGUST (PT-1 Ls-6)	Ls- 11 NATURES TREASURE *Air around us (composition and importance of air, ancient breathing technique), moving of air. *Air pollution (causes and its effect) *Water and its importance *Ways to conserve water (Rain water harvesting and its benefits) *Water pollution (causes and effect) Energy from the Sun required for	18 PERIODS (12 HRS)	*Identify the composition of air (nitrogen, oxygen, carbon dioxide, etc.) Explain the importance of air for living beings List common causes of air pollution. Explain the effects of it on health and environment. State the uses of water in daily life. Identify causes of water pollution. Suggest ways to reduce water pollution by adopting (Rainwater harvesting) Describe the role of forests in	*To practice Pranayama breathing exercise. * Paste the picture showing how the solar energy can be used to carry out various activities as solar panel, solar cooker etc.	* To make a firki and observe how wind makes it rotate. Make a collage showing the uses of moving air	* Gain basic knowledge of how resources like air, water, soil, forests and minerals support life. * Suggest practical solutions for conserving resources and reducing pollution in daily life. * Understand the importance of natural resources and the need to protect and conserve them.

	photosynthesis, vitamin D, renewable source of energy. *Forest (its importance and conservation) *Soil and its type Rocks and minerals Fossil fuels (renewable and non-renewable natural resources.)		Providing oxygen, maintaining balance in nature, Understand the need to protect forests Identify fossil fuels (coal, petroleum, natural gas), how they are formed (basic idea). Describe their uses in daily life Understand the need to conserve fossil fuels. Define natural resources and classify them as: Renewable and Non-renewable resources.	*To examine different soil samples and record the observation based on colour, odour, texture, water holding capacity.		
SEPTEMBER	TERM 1 EXAM Ls- 6 AND 11 REVISION					
OCTOBER AND NOV PT-2 (Ls-8)	Ls -8 A JOURNEY THROUGH STATES OF MATTER Different states of water and its properties. *Terms to describe changes of state of water	16 PERIODS (10 HRS)	* Identify the three states of matter. Describe and Recognize examples of each state from surroundings. *Differentiate between states of matter. Compare solids, liquids, and gases. *Describe how particles are arranged in	To find the factors that determine evaporation of water as placing a bowl of water (in the sunlight, in the shade, during rainy day) and write observation/ practical application in our day-to-day life.	“Pot- in pot cooler” To create a simple earthen pot cooler that helps keep vegetables and fruits fresh	Apply concepts to real life situation as drying of clothes, freezing of water. Explain observations orally as well as in written form.

	*Factors affecting evaporation of water, cooling effect of evaporation. *Water cycle process and how clouds give rain		solids, liquids, and gases (in simple terms). *Identify processes like: Melting (solid → liquid), Freezing (liquid → solid) Evaporation (liquid → gas) Condensation (gas → liquid) *Relate concepts to real life. Give everyday examples of state changes (e.g., ice melting, water boiling). Observe and explain simple phenomena around them.	To compare the cooling of water in two different pots as an earthen pot / a metal pot		Analyse how temperature affects water and explains everyday phenomena like condensation on a cold glass or steam from hot water. * Understand the importance of the water cycle and the role of water in nature
DEC AND JANUARY	Ls-9 METHODS OF SEPARATION IN EVERYDAY LIFE Need to separate substance Methods of separation as separating two solids (handpicking, sieving, threshing, winnowing), Separation of solids from liquids (sedimentation,	16 PERIODS (10 HRS)	*Understand the need of separation in everyday life (removing impurities, obtaining useful material. Identify various separation methods. explain the principle behind each method in simple terms. Observe and explain process by performing simple activities.	To study the separation of muddy water by sedimentation and decantation Make a list of five different process of separating components that are used at your home	To make a model showing Traditional way of filtering water using sand, gravel, charcoal.	* Understand the purpose and importance of separating substances in daily life. * Identify different methods of separation and apply them appropriately based on the type of mixture.

	decantation, filtration, evaporation), Separation of two liquids. Combination of methods for separation (sand and salt)		Apply knowledge in daily real life situation			* Observe and perform simple separation activity to see how mixtures can be separated effectively.
FEB REVISION	TERM -2 EXAM Ls 8 and Ls -9					

NAME OF INCHARGE TEACHERS: MRS ZEENAT ARIF, MRS RENUKA DAVID, MRS DIVYA RAJESH

SIGNATURE OF SUBJECT CORDINATOR:

SIGNATURE OF PRINCIPAL:

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - VI

SUBJECT- ART EDUCATION

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	1. Objects and still Life	Explore objects from surrounding s 2 Draw objects in Different ways 3.light and shade	Draw and colour a bowl of fruits. Sketch classroom objects (bag, bottle, book). Arrange 3 objects and make a still-life drawing.	Collect pictures of any local/traditional art form.	Creativity, observation, visual understanding Technical skills, experimentation.
Jun, july	1. Objects and still Life	4.Through the eyes of an Artist 5Create your own still life 6Drawing furniture 7.Make A flipbook	Draw and colour a bowl of fruits. Sketch classroom objects (bag, bottle, book). Arrange 3 objects and make a still-life drawing.	Draw one artwork inspired by it. Write 4–5 lines about the art form.	Design thinking, visual communication - Research, appreciation, critical thinking.
August	2. Changing the Typical picture	1. Nature Block 2. Field Trip 3. Make Natural colours	Change a simple scenery into a creative artwork.	Collect leaves, flowers, or natural textures.	
September	HALF YEARLY EXAM ASSESSMENT PRACTICAL EVALUATION				
October	2.Changing the typical picture	4.Make an Artwork with Natural Colours	Add new colours, patterns and background.	Create a collage or nature print.	

		5.creating colour Tints and shades 6.surfaces and material used By Artists 7.My inspiration From Nature		Give a title to your artwork.	
November	3.Portraying people	1.Make portraits	Draw a self-portrait.	Observe your face in a mirror. Draw the outline of your face.	
December	3.portraying people	2.through the Eyes of the Artist	Draw different facial expressions (happy, sad, surprised).	Add eyes, nose, lips, ears and hair. Colour and complete the portrait. Write your name and title.	
January	3 portraying people	3.i want to be	Make a portrait of a family member and write 3 lines about the person.		
February	FINAL ASSESSMENT 1,2,3	Clothes and Roles			

Name of Incharge Teachers: HEMA PATEL

Signature of Coordinator: _____

Signature of Principal: _____

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/ PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	The wonderful world of science •Introduction •What is science? •Outer space •Exploring our surroundings •Scientific methods	8 Periods	Students should be able to: • Define science and explain its role in understanding the world around us. • Identify examples of scientific inquiry in everyday life. • Describe the basic steps of the scientific method. •Demonstrate curiosity by formulating questions about their surroundings. •Recognize the collaborative nature of scientific exploration.	Describe a daily life situation where you feel someone was following a scientific method. For example- bubble gum size. What factors are affecting the size of the bubble		• Critical thinking: Analyzing observations and formulating questions. • Communication: Articulating scientific ideas and questions. • Collaboration: Working in teams to solve problems. • Observation skills: Paying attention to details in the environment • Analytical skills: Applying the scientific method to everyday situations
JUNE, JULY AND AUGUST	Lesson 2 • Diversity in plants and animals around us •How to group plants and animals	20 periods	•Define biodiversity and explains its importance. •Identify and describe various features of plants (e.g., stems,	Nature walk Seed observation to differentiate	Create a poster on the importance of protecting habitats.	•Observation skills- Keenly observing plants and animals •Classification skills- Grouping organisms based on similarities and differences

PT 1 LESSON 1	•Habitats •Adaptations •Habitat destruction and its conservation		leaves, roots, venation) •Classify plants into herbs, shrubs and trees based on their characteristics. •Differentiate between monocot and dicot plants •Group animals based on their movement and habitat. •Explain the concept of adaptation and provide examples • Describe how habitats influence the characteristics of plants and animals. • Recognize the importance of habitat conservation for maintaining biodiversity.	monocots and dicots		•Critical thinking- analysing adaptations and their purposes •Environmental awareness- Understanding the importance of habitat preservation
SEPTEMBER TERM 1 LESSON 1, 2	REVISION AND EXAM					
OCTOBER AND NOVEMBER	Lesson 3 Mindful Eating: A path to a healthy body	20 periods	Identify and describe• the main components of food (carbohydrates, proteins, fats,	Interactive presentation- Explains the main nutrients, their	Make a chart on ways to reduce food waste at	Scientific inquiry-• Conducting simple experiments to test for nutrients. • Critical thinking – Analysing diet and

	•What we Eat •Diverse food habitats of India •Evolution of cooking practices •Components of food •Other nutrients •Test of different components of food •Balanced diet • Superfood millets		vitamins, minerals, dietary fibre, and water) •Explain the function of different nutrients in the body. •Conduct simple tests to detect the presence of starch, fats, and proteins in food items. •Define and understand the importance of a balanced diet. •Understand the concept of food miles and its environmental impact •Identify the nutritional value of millets and their importance in Indian agriculture. •Recognize the importance of mindful eating and avoiding food wastage.	functions and sources Hands on activity- Conduct tests for starch, fats, and proteins on various food items.	home & school	suggesting improvements. • Environmental consciousness- Recognizing the impact of food choices on the environment •Communication – Presenting findings and ideas about nutrition and mindful eating
DECEMBER AND JANUARY PT 2 lesson 3	Lesson 10 Living creatures: Exploring their characteristics	14 periods	•Differentiate between living and non-living things based on specific characteristics. •Understand and explain the essential features of living beings	List objects around and classify them as living or non-living.	Experiment on conditions necessary for seed germination	Observation• skills- Carefully observing and recording characteristics of living things Experimentation – Designing and conducting simple experiments Scientific•

			(movement, nutrition, growth, respiration, excretion, response to stimuli, reproduction and death) • Describe the condition necessary for seed germination. • Explain plant growth and movement in response to stimuli. • Understand and describe the life cycle of plants. • Describe and compare the life cycles of different animals (eg; mosquito and frog). • Conduct simple experiments to observe characteristics of living things.	Draw the life cycles		communication – Describing life process and cycles.
FEBRUARY FINAL EXAM	REVISION & EXAM					

LESSON 3,10						
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Name of Incharge Teachers: _____

Signature of Coordinator:

Signature of Principal: _____
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CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27 ,

CLASS - 6th

SUBJECT-DANCE

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
July	Chapter 12 my body in motion	Demonstrate body Movement in Delhi life understand posters gestures and expressions	Observation of movements participation in activities	Create a movement sequence based on daily routines (walking playing studying)	Self expression body coordination creativity
August	Chapter 12 my body in motion	Uses facial expression navras and hand gestures	Practical performance using expressions and gestures	Perform a short dance showing different emotions	Emotional expression communication confidence
September	Haif yearly Exam (practical)				
October	Chapter 13 breaking barriers with dance	Create geometric shape and movement patterns explorer creative dance ideas	Presentation of movement patterns	Dance using shapes and formations inspired by mathematics	Creativity special awareness collaboration
November	Chapter 14 harmony in motion	Identifies common movements and gestures across dance forms understand harmony	Demonstration of coordinated group movements	Integrate music Rhythm and Movement in a group performance	Rhythm sense cooperation coordination
December	Chapter 14 harmony in motion	Designs simple props and costumes understand stage	Assessment of participation and	Prepare simple dance prop from	Innovation responsibility

		space and performance	creativity	recyclable material	planning
January	Chapter 15 dances of our land	Identifies Indian classical and folk dances appreciate cultural diversity	Quiz presentation dance demonstration	State wise dance map of India with dance poses	Cultural awareness appreciation of Heritage
February	Final Assessment (written Exam)				

Name of Incharge Teachers: __Hema patel _____

Signature of Coordinator: _____

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER: 2026-27

CLASS - VI

SUBJECT- ENGLISH

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMEN T/PRACTIC AL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
APRIL	Literature: Ls: 1- Mukesh Keeps The Goat. Ls: 3-Poem: Clouds and Waves. Grammar: CH:1-Sentences	5 HRS 3 HRS 4 HRS	Comprehend and retell the story with clarity. Interpret the central theme of the poem. Construct grammatically correct sentences.	Dramatic enactment, sequential reasoning, Types of sentences sorting.	Paint a scene of the poem- blue waves, white clouds, mother and the child.	Comprehend and respond to literary texts with sensitivity and use basic grammatical structures accurately in communication.
JUNE	Literature: Ls:4- Our Encounter With The Snow Leopard Grammar: CH:2-Nouns CH:3- Nouns: Number Writing Skill: Formal Letter, Application.	3 HRS 1.5 HRS 1.5 HRS 2 HRS	Comprehend the narrative with accuracy and recount the sequence of events in a coherent manner. State the concept of Nouns with precision and explain its function as a naming word.	Conduct a structured dialogue on 'Tourism VS Wildlife protection' enabling learner to formulate and defend reasoned opinions.	Organizing a chain story telling activity to promote collaborative learning.	Proficiency in recognizing the Nouns and number of Nouns.
JULY PT I SYLLABUS: Literature: Ls-1, Ls:3-Poem: Clouds,Ls:4-Our Encounter With The Snow Leopard Grammar: Ch:1- Sentences,CH:2- Nouns, CH:3- Nouns: Number	Literature: LS:5 & 6- Monkey Sickness I & II Grammar: CH: 4- Adjectives and its types. CH:5- Articles Writing Skill: Message Writing, Picture Composition.	5 HRS 2.5 HRS 2.5 HRS 5 HRS	Develop imagination creativity and aesthetic sensibility and appreciation.	Preparation of Adjectives chart to understand the differences between kinds of Adjectives.	Group Activity: Prepare project on parts of speech showing ones' creativity.	Comprehends the lesson and infers its moral and character traits. Identifies and classifies adjectives by its types.

AUGUST	Literature: Ls: 7-Poem: The Painted Ceiling. Ls: 8-Tulsi Gowda: The Forest Guardian of India. Grammar: CH:6-Pronoun CH:7- Auxiliary and Modal Verbs CH:8-Finite and Non Finite Verbs Writing Skill: Diary Entry	2 HRS 3 HRS 3 HRS 2.5 HRS 2.5 HRS 2 HRS	Interprets the poet's feelings and appreciate the beauty of imagination and art as conveyed through the verses. Demonstrates the competency to construct grammatically accurate sentences by using Pronouns and different kinds of verbs.	Write a biographical account on any environmentalist in about 300 words. Include important events of their life, their work and their challenges and achievements.	Individual Activity: Deliver a speech on the topic 'Balancing development with ecological conservation'.	Express ideas on environmental responsibility using verbs with accuracy and coherence.
SEPTEMBER	TERM I EXAM: Literature: Ls: 1, 4,5,6,8. Poem: Ls-3, 7. Grammar: CH:1 TO 8 Writing skills: Formal Letter, Application, message Writing, Picture Composition and Diary Entry.	21 HRS				Revision for Term I Exam.
OCTOBER	Literature: Ls:9- Poem: Spring Morning Ls:10- Manipuri Raas Leela: A Divine Dance. Ls: 12- Pintu's Grandfather. Grammar: CH:9- Tenses Writing Skill: Notice Writing	2 HRS 2.5 HRS 2.5 HRS 2 HRS 1 HR	Develop an ability to construct meaning by drawing inferences and relating the texts with previous knowledge.	Character presentation, question and answers, discussion. Experiential discussion on uniqueness and beauty of Indian culture.	Group activity: Discussion highlighting the importance of grandparents in our lives.	Analyzing characters, settings, conflicts and resolution in depth.

NOVEMBER PT II SYLLABUS: Literature: Ls- 10, 12, Poem: Spring Morning. Grammar: Ch:9- Tenses	Literature: Ls:11-Poem- My Kingdom	3 HRS	Use language skill for real life purposes.	Poem recitation, completion of question and answers and exercise of grammar lessons.	Group activity: Make an advertisement for your unique eco friendly product with a catchy slogan on a chart paper.	Evaluating different perspective and interpretations Understanding various concepts of grammar.
	Grammar: CH:10-Transitive and Intransitive Verbs CH:11-Voice	4 HRS 3HRS				
	Writing skill: Advertisement	5 HRS				
DECEMBER	Literature: Ls:13-Poem: The Sky lark Ls:14- Father's Help	2 HRS 3 HRS	Develop grammatical competencies moving from procedural knowledge to declarative knowledge.	Practice ways of creating and drafting a story using ones' imagination.	Individual activity: Create a travelogue of your recent trip in the form of a brochure.	Learning creative expression and narrative development.
	Grammar: CH:12-Subject-Verb Agreement CH:13-Adverbs CH:14-Prepositions	3HRS 3 HRS 3 HRS				
JANUARY	Literature: Ls: 15- Anne Finds a Home.	3 HRS	Develop imagination, creativity and aesthetic sensibility and appreciation.	Practice ways of drafting descriptive paragraphs, using their own imagination.	Group activity: Word Builder Relay to be organized to assess the quick thinking and word recognition skills.	Identifying and correcting grammar mistakes. Enhancing written communication through self assessment.
	Grammar: CH:15-Conjunctions CH:16-Punctuations CH:28-Words	3 HRS 2.5 HRS 2.5HRS				
	Writing skill: Paragraph Writing Revision	3HRS				
FEBRUARY	TERM II EXAM: Literature: Ls: 10, 12, 14, 15. Poem: Ls-9, 11, 13.. Grammar: CH:9 TO 16 & 28 Writing skills: Formal Letter, Application, Notice, Advertisement, Paragraph Writing..	23 HRS				Revision for Term II Exam.

Name of Incharge Teachers: Ms. Anju Prasad, Ms. Diana Ernest, Ms. Sapna Sharma.

Signature of Coordinator: _____

Signature of Principal: _____.

SUBJECT- MATHEMATICS

Month	Name of the unit / chapter and sub topics	Time Allotted	Learning Outcomes	Suggested Activities	Art Integrated Activity (Any two)	Key Competencies
April	CH 1. Number Play •Number system •Comparing and arranging large numbers • Face value and Place value • Indian & International place value system • Operations on the number line •Large Numbers in our daily life - Estimating and Rounding off •Palindromic Numbers •The Kaprekar constant • Representation of square and triangular numbers Computational Thinking (C.T.) Worksheet - Ch.3	12 hours	•Develop number sense, •Read/write large numbers, •Understand extension of number system, •Estimation skills •Understand and apply concepts like palindromes and digit sums. •Perform mental math.	Place value charts,	MTA Make a 3D or 2D model of the Pictorial representation of the triangular or square number sequence	Numerical fluency, estimation skills, Logical reasoning and analytical thinking
June	CH 2. Prime Time • Perfect Number • Factors • Prime, Co-prime numbers • Test of Divisibility •Common multiple, common factors • Prime factorisation: factor tree, division, factorisation method • HCF • LCM C.T. Worksheet - Ch.5	14 hours	•Identify prime, composite and co-prime numbers. •Find factors and multiples of numbers. •Use divisibility rules and apply prime-factorization to solve problems. •Understand the concept of LCM and HCF.	SEA 1- Find prime numbers up to 100 using the Sieve of Eratosthenes.		Logical reasoning Pattern recognition Numerical computation Problem-solving skills

July PT-1	CH 4. Other Side of Zero - Negative numbers - Representation of integers on the number line - Adding of integers - Subtraction of integers - Additive inverse of an integer - Real life application of integers C.T. Worksheet - Ch.10	12 hours	- Understand the concept of positive and negative numbers. - Compare and order integers - Apply integer concepts to real-life situations	SEA 2- Fundamental operations on integers with the help of counters (Lab-activities)		Develop number sense and operations. Abstract thinking Mathematical communication
	CH 5- Patterns in Mathematics - Patterns in numbers - Visualising number sequences - Relations among number sequences - Pictorial representation of the product of numbers - Pattern in shapes C.T. Worksheet - Ch. 1	10 hours	- Comprehend patterns in numbers. - Visualise number sequences. - Establish relations among number sequences. - Recognise patterns in shapes.	Visualising number sequences for odd, even, triangular and square numbers	3d model of pattern formed by number of matchsticks used to make triangles	Pattern recognition and extension. Logical reasoning and analytical thinking. Visual-spatial reasoning Collaborative learning
	PT-1 (Revision+Exam) Syllabus: Chapter 1					
August	CH 6. Lines and Angles - Plane, point, line segment, ray and line. - Angle: measuring of angle, types of angles, - Measuring angles using protractor - Constructing angles using protractor C.T. Worksheet- Ch. 2	12 hours	- Identify and draw geometric concepts. - Construct and measure angles using a protractor. - Understand real-life application of angles.	Representation of acute, right and straight angles using two strips of cardboard and a drawing pin.	Incorporate geometric shapes and patterns to create an Indian art form/ painting, such as Manjusha art, Madhubani art etc.	Spatial reasoning Fine motor skills Observation skill Critical thinking and problem solving

September Term-1 exam	Revision + Term - I exam Syllabus: Chapters 1 , 2, 4, 5 and 6	—	--	--	—	—
October	CH. 3 Fractions and Decimals •Fraction as a part of collection. •fractions on the number line •conversion of improper fraction into mixed and vice-versa. •equivalent fractions , like and unlike fractions •comparison, addition and subtraction of fractions • Decimal Fractions/Decimals: tenths, hundredths, thousandths • Conversion and comparison • Addition and subtraction of decimal numbers C.T. Worksheet - Ch. 7 CH. 7 Playing with Constructions • Introduction to Geometric tools •Construction of circle, wavy wave •Construction of squares and rectangles • Points equidistant from two given points. • Perpendicular bisector C.T. Worksheet- Ch. 8	14 hours 10 hours	•Understand the concept of fractions, •Representation on number line. •Mixed fraction, equivalent fractions. •Compare and convert to lowest term, •Add and subtract fractions •Read, expand and compare decimal numbers •Perform addition and subtraction of decimal numbers •Use a compass to draw circles and arcs. •Understand and apply properties of squares and rectangles in constructions. •Construct diagonals, find equidistant points. •Apply construction techniques to find perpendicular bisector.	SEA 3 -To represent addition and subtraction of decimal numbers experimentally on 10×10 square grid Constructio n of different artistic designs inside the square or circle using compass.	MTA Pictorial represent ation of fractions. 3d model of Geometri c design	Logical reasoning Visual representati on Mathematica l communicati on Problem-solv ing skill Visual representati on, Mathematica l communicati on Critical thinking skill

November P.T. -2	CH. 8 Perimeter and Area • Perimeter of a rectangle • Perimeter of a square • Perimeter of another polygon • Area of a rectangle and a square • Conversion of units • Splitting the figure into rectangle, squares or triangle and find the area C.T. Worksheet - Ch. 6 PT-2 (Revision+Exam) Syllabus: Ch. 2 and 3	14 hours	• Calculate perimeter and area of rectangles, squares and triangles. • Estimate area of irregular shapes using grid method. • Understand relationship between area of a rectangle and a triangle.	Finding the area of different leaves using a grid paper.		Logical reasoning Mathematical communication
December	CH. 9 Symmetry • Line of symmetry, • Reflection symmetry, • Rotational symmetry, • Rotational symmetry of regular polygon. C.T. Worksheet- Ch. 9	10 hours	• Identify symmetrical shapes. • Determine lines of symmetry and angles of symmetry. • Recognize and create figures with rotational symmetry. • Understand the concept of reflection	Demonstrate folding paper to find lines of symmetry.	Find the lines of symmetry for the kolam drawing	Creativity & spatial skills Analytical thinking Creative problem-solving
January	CH 10 Data Handling and Presentation • Collection and organisation of data • Arranging the data in a tabular form using tally marks. • Representation of data through - A pictograph - A Bar graph C.T. Worksheet - Ch. 4	12 hours	• To collect and organise data using tally marks. • Interpret and draw pictograph. • Read and draw bar graphs. • Choose appropriate scales.	Conduct a small survey, collect data and present it using both a pictograph and a bar graph.	Bar graph model	Visual representation Critical thinking and analysis , Mathematical communication

February Term -2	Revision + Term - II Exam Syllabus: Chapter 2, 3, 4, 7, 8, 9 and 10	—	--	--	—	--
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Name of In charge Teachers: Mrs. Saritha V, Mrs. Mary Joseph, Mrs. Mini Saxena

Signature of Coordinator: _____

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS: VI SUBJECT: MUSIC (KRITI - NCERT)

Month	Unit/Chapter	Learning Outcomes	Activities/Assessment	Art Integrated Activity	Key Competencies
June	Music Around Us	Recognize sounds and music in daily life	Listening activities	Sound collage	Observation
July	Music Around Us	Identify musical elements	Prayer song practice	Draw musical symbols	Creativity
August	Rhythm and Beat	Understand beat and rhythm	Clapping exercises	Rhythm chart	Coordination
September	Rhythm and Beat	Perform simple rhythm patterns	Periodic assessment	Group rhythm activity	Confidence
October	Songs and Expressions	Express feelings through songs	Group singing	Illustrate song themes	Communication
November	Songs and Expressions	Improve singing skills	Practical performance	Song poster making	Self-expression
December	Folk Music	Know local folk traditions	Folk song learning	Folk art integration	Cultural awareness
January	Folk Music	Appreciate musical diversity	Group presentation	State folk music map	Teamwork
February	Revision & Project	Consolidate learning	Project and viva	Music portfolio	Critical thinking
March	Annual Assessment	Demonstrate learning outcomes	Theory & practical exam	—	Self-evaluation

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

SIGNATURE OF SUBJECT CORDINATOR: MRS. BHARTI SHRIVASTAVA

SIGNATURE OF PRINCIPAL:

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS -VI

SUBJECT- PHYSICAL EDUCATION WELL BEING

MON TH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTI CAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
June- July	Unit 1: Importance of Physical Education and Well-being *Ice Water *Seven Stones *Aerobic Exercises *Follow Me *Number Game *Hula Hoop Jump	160	Students will understand the importance of physical education for maintaining health and well-being. Students will enhance coordination, speed, and strategic thinking. improve balance, coordination, and motor skills.	Students participate in the game to improve agility, reaction time, and social interaction	Design a poster on "Healthy Body, Healthy Mind" highlighting the importance of exercise.	Health awareness, self-management, decision-making. Agility, cooperation, teamwork, social skills.
July- Aug	Unit 2: Motor Fitness Introduction to Motor Fitness *Obstacle Race *Balancing Act *Shivam Says *Collaborate and Conquer *Grab the Ball *Push-up Position and Pass the Ball *Tic-Tac-Toe Dribble Relay Crocodile Race	160	Students will understand the concept and importance of motor fitness and its components such as speed, agility, balance, coordination, strength, and reaction time. Students will develop agility, speed, and coordination improve balance and body control. will strengthen teamwork and collaborative problem-solving skills.	Interactive discussion and demonstration of motor fitness components. Short quiz and observation-based assessment.	Create a mind map or poster illustrating different components of motor fitness. Design and draw an obstacle course layout with creative markings and symbols	Health awarenessconceptual understanding, critical thinking. Agility, speed, coordination, problem-solving.

	*Head, Shoulder, Knee and Ball		improve hand-eye coordination and reaction speed.			
Aug-Sep	Unit 3: Fundamental Skills of Kho-Kho *Sitting *Chasing *Giving Kho *Running on a Straight Line *Dodging *Zig-Zag Running *Pole Turn *Covering Chase Chain *Fake Kho *Pole Dive *Toe Tapping *3-2-3 Chain	160	Students will understand the basic rules, terminology, and importance of Kho-Kho as an indigenous sport. Earn and demonstrate the correct sitting posture used in Kho-Kho. Improve speed and directional control. Enhance agility and movement control. Improve footwork and quick movement skills.	Discussion on the history, rules, and benefits of Kho-Kho. Oral questioning and quiz. Practice proper sitting positions on the Kho-Kho court. Assessment through observation of posture and technique.	Create a poster showcasing the history and importance of Kho-Kho. Draw and label correct sitting positions used during the game.	Body control, discipline, concentration. Speed, agility, decision-making. Coordination, teamwork, communication. Agility, reflexes, strategic thinking.
Sep-Oct	Unit 4: Fundamental Skills of Handball *Passing *Catching *10-pass *Dribbling *Obstacle Dribbling *Shoot the Ball *Dodge Ball *Dribble and Shoot *Pass and Shoot *Shootout Tournament *Goalkeeper's Defensive Skills *Blocking *Assimilation	160	Students will understand the basic rules, terminology, and importance of Handball. develop accurate passing techniques. enhance passing accuracy and teamwork. improve agility and dribbling under challenging conditions. combine passing and shooting skills in game situations. perform goalkeeper defensive techniques.	Practice chest pass, bounce pass, and overhead pass in pairs and groups. Individual and partner catching drills. controlled dribbling while moving at different speeds and directions.	Create a poster illustrating the Handball court, equipment, and basic rules. Create step-by-step sketches of correct catching techniques.	Coordination, teamwork, precision. Coordination, agility, motor skills. Accuracy, focus, self-confidence. Teamwork, communication, game awareness.

Oct- Nov	Yoga Yoga Session Structure Chapter 1: Yoga for Daily Life Chapter 2: Preparing for Yogic Practices Chapter 3: Asanas Chapter 4: Pranayama Chapter 5: Dharana, Dhyana, and Samadhi Chapter 6: Krida Yoga	160	Students will be able to explain the importance of yoga in daily life and adopt healthy lifestyle practices for physical and mental well-being. Students will be able to identify and demonstrate the necessary preparations, precautions, and discipline required before performing yoga practices. Students will be able to perform basic asanas correctly and explain their benefits for flexibility, strength, balance, and overall health.	Maintain a daily yoga diary for one week; discuss benefits of yoga in daily life; prepare a presentation on healthy habits. Demonstrate correct yoga etiquette, warm-up exercises,	Create a poster or collage showing how yoga improves physical, mental, and emotional well-being. Design an illustrated chart showing the ideal yoga environment, clothing, and precautions.	Self-awareness, healthy lifestyle practices, reflective thinking, communication skills. Discipline, personal hygiene, safety awarenessresponsibility.
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Name of Incharge Teachers: Anamika Singh, Ashok Vishwakarma, Umesh lakhere

Signature of Coordinator: _____

Signature of Principal: _____

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27

CLASS - VI

SUBJECT- Social Studies

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/ PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	History Chapter 4 – Timelines of History	8 Hrs	Understands chronology and various historical sources.	SEA 1 - Make some posters on the life of Early Man.	Picture Study (Page 82)	Historical inquiry, interpretation, evidence-based reasoning.
	Civics Chapter 8 – Unity in Diversity or many in the one	8 Hrs	Understands India's diverse social and cultural fabric.	SEA 2 - Create a collage reflecting the diversity of India in terms of food, clothing, languages and festivals. MT1 - On a political map of India mark the similar festivals known by different names in different states.(Page - 143)	Map Skill	Inclusiveness, empathy, respect for diversity.
June	Geography Chapter 1 – Locating places on the earth	10 Hrs	Identifies directions, latitudes, longitudes, maps and globes; locates places accurately.	Project Work (Question 1) – Page 32	Source Study	Spatial awareness, map-reading, observation skills, critical thinking.

July PT 1 H- Ch 4 C- Ch 8	History Chapter 5 – India, that is Bharat	6 Hrs	Appreciates India's identity, heritage and diversity.	SEA 3 - Paste pictures of the Historical Places, Festivals, Food Habits, Attire and Dance Forms of the pairing states.	Source Study	National awareness, cultural appreciation, citizenship.
	Civics Chapter 9 – Family and Community	8 Hrs	Recognizes roles of family and community in society.	Create a family tree of your family. Paste photographs and mention one quality of each of your family members.	Picture Study	Social awareness, cooperation, interpersonal skills.
August	Civics Chapter 10 – Grassroots Democracy – Part 1: Governance	8 Hrs	Explains democratic principles and local governance.	Draw a picture that shows the three organs of the government. Write two functions of each of the organs of the government.	Picture Study	Civic responsibility, decision-making, participation.
	Geography Chapter 2 – Oceans and Continents Revision for Term 1	8 Hrs	Recognizes major oceans and continents and their significance.	Map Skill – Locate and label the different continents and oceans of the world.	Map Skill	Geographical understanding, analytical thinking, environmental awareness.

September	History Chapter 6 – The Beginnings of Indian Civilization	8 Hrs	Describes features of early Indian civilization and Harappan culture.	MT 2 - Make a picture album showing the different features of Indus-Saraswati civilization along with some details. Use your creative ideas to prepare the picture album. (Page-111)	Source Study	Historical understanding, analytical skills, curiosity.
	Civics Chapter 11- Grassroots Democracy – Part 2: Local Government in Rural areas	8 Hrs	Understands Panchayati Raj institutions and their functions.	Picture Study (Page 207)	Picture Study	Leadership, civic engagement, problem-solving.
October	Geography Chapter 3- Landforms and Life	9 Hrs	Explains different landforms and their influence on human life.	MT 3 - Make clay models of landforms like mountains, plains, plateaus.	Map Skill	Problem-solving, observation, environmental literacy.
	History Chapter 7 – India's Cultural Roots	9 Hrs	Explores traditions, beliefs and cultural developments.	Picture Study (Page 135)	Picture Study	Cultural literacy, appreciation of heritage, critical reflection.

November PT2 G - Ch 2 H- Ch6 C- Ch 11	Civics Chapter 12- Grassroots Democracy Part 3; Local Government in Urban Areas	10 Hrs	Identifies functions of municipalities and urban governance.	Write a report on garbage is cleaned from your neighborhood by the Municipal Corporation.	Source Study	Citizenship, accountability, collaboration.
	Civics Chapter 13- The value of work	12 Hrs	Appreciates dignity of labour and importance of different occupations.	Picture Study (Page240)	Picture Study	Work ethics, empathy, life skills.
December	Civics Chapter 14 – Economic Activities Around us	8 Hrs	Explains various economic activities and their role in society.	Write a report on the different services provided by a hospital and a bank. How do these services affect our lives.	Source Study	Financial literacy, analytical thinking, decision-making.
January Term 2 G - Ch 2 & 3 H- Ch 6 & 7 C- Ch 12,13 & 14	Revision for Term -2					

Name of In- Charge Teachers: Ms. Jhinuk Chakraborty, Mrs. Prabha Pillai, Mrs. Beneniya Minj

Signature of Coordinator: Mrs. Alphonsa Josdas

Signature of Principal:

CARMEL CONVENT SR. SEC. SCHOOL, RATANPUR
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CLASS -VI

SUBJECT – SANSKRIT

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTE D	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT/PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
अप्रैल	प्रथमः पाठः वयं वर्णमाला पठामः द्वितीयः पाठः संयुक्त व्यञ्जनानि तृतीयः पाठः एषः कः? एषा का? एतत् किम्? व्याकरण- पुल्लिङ्ग स्त्रीलिङ्ग नपुंसकलिङ्ग शब्द परिचय।	4+4+4	व्याकरण एवं भाषा विचारों की अभिव्यक्ति का साधन है। छात्र संयुक्त व्यंजन के निर्माण को जानेंगे। छात्र सर्वनाम शब्दों का लिंग के अनुसार प्रयोग सीखेंगे।	छात्र संस्कृत वर्णमाला के अतिरिक्त स्वरों एवं उनके उच्चारण को जानेंगे। दस संयुक्त व्यंजनों को लिखिए तथा उनका वर्ण वियोग भी कीजिए। घर के सदस्यों या मित्रों की सहायता से 10 घर के उपयोग में आने वाली वस्तुओं के नाम लिखकर लिंगानुसार अलग अलग करके लिखिए।	बिहार और मध्यप्रदेश के खान-पान वेश-भूषा और पर्यटन स्थल के चित्र चिपकाकर कोलाज तैयार कीजिए।	छात्र संस्कृत वर्णमाला एवं उसके प्रकारों का प्रयोग जानेंगे। व्याकरण की बारीकियाँ सीखेंगे। संयुक्त व्यंजन का वर्ण संयोग एवं वर्ण वियोग सीखेंगे। एतत् एवं तत् सर्वनाम का प्रयोग सीखेंगे।

जून	चतुर्थः पाठः अहं च त्वं च व्याकरण- लट्लकार, लृट्लकार (पठ्, खाद्, अस्)	4+4+2	छात्र अस्मद् एवं युष्मद् शब्दरूप का प्रयोग सीखेंगे।	अस्मद् एवं युष्मद् शब्दरूप तालिका बनाकर लिखिए।		अहं एवं त्वं के विभिन्न रूपों के बारे में जानेंगे।
जुलाई	पञ्चमः पाठः संख्यागणना ननु सरला शब्दरूप-बालक, लता, फल, अस्मद् षष्ठः पाठः अहं प्रातः उत्तिष्ठामि PT1 Syllabus पाठ 1 वयं वर्णमालां पठामः पाठ 2 संयुक्त व्यञ्जनानि	4+4+4+4	छात्र गणना प्रयोग सीखेंगे। नियमित दिनचर्या ही सफलता का मूल मंत्र है।	'गतिविधि कार्य' में दिए गए संख्या गीत को याद करे एवं कक्षा में सुनाइए। चार्ट पेपर पर घटिका का चित्र बनाइए और समय प्रदर्शितकीजिए।		छात्र गणना प्रयोग का शुद्ध उच्चारण तथा लेखन सीखेंगे। समय लेखन एवं घटिका प्रदर्शित करना सीखेंगे। प्रकृति की रक्षा ही मानव जीवन की रक्षा है।
अगस्त	सप्तमः पाठः शूराः वयं धीराः वयम्	4+4+4+4	देश सर्वोपरि है। देश की रक्षा हमारा प्रथम कर्तव्य है।	कोई पाँच महापुरुषों के चित्र चिपकाइए		छात्र महापुरुषों के जीवन चरित्र एवं उनके गुणों के बारे में जानेंगे तथा उनको अपने जीवन में अपनाएंगे।

	अष्टमः पाठः सः एव महान् चित्रकारः नवमः पाठः अतिथिदेवोभव व्याकरण- गिनती (1-10) अव्यय, चित्र, संवाद, पठित एवं अपठित गद्यांश।		प्रकृति ईश्वर का सर्वोत्तम उपहार है। ‘अतिथि ईश्वर के समान होते हैं।’ का भाव जाग्रत करना।	तथा उनके नाम लिखिए। कोई पाँच फूलों के चित्र चिपकाइए एवं संस्कृत में उनके नाम लिखिए। 5 अव्यय शब्द एवं उनके अर्थ लिखकर उनसे वाक्य बनाइए।		छात्र रंगों के नाम संस्कृत में जानेंगे। प्रकृति की रक्षा ही मानव जीवन की रक्षा है। छात्र जैसे बड़ों का आदर करना, अतिथि की सेवा करना आदि नैतिक गुण सीखेंगे।
सितम्बर	दशमः पाठः बुद्धिः सर्वार्थसाधिका व्याकरण-शब्दरूप तत् (तीनों लिंगों में), युष्मद् TERM 1 syllabus	4+4+4	उत्तम जीवन के लिए बुद्धिपूर्वक व्यवहार आवश्यक है। व्याकरण भाषा को सशक्त बनाता है।	पाठ में पढ़े हुए धातुरूपों का संग्रह कीजिए उनके पुरुष एवं वचन लिखिए। तत् शब्दरूप याद कीजिए।		छात्र लोटलकार शब्दों का प्रयोग सीखेंगे। छात्र सर्वनाम शब्दरूप का प्रयोग जानेंगे।

	पाठ 1 से 6 सम्पूर्ण अभ्यास कार्य शब्दरूप-बालक, लता फल अस्मद् धातुरूप- पठ्, खाद्, अस् (लट्लकार एवं लृट्लकार) गिनती 1 से 10 अव्यय, चित्र, संवाद, वर्ण वियोग, वर्ण संयोग, पठित एवं अपठित गद्यांश।					
अक्टूबर	एकादशः पाठः यो जानाति सः पण्डितः द्वादशः पाठः त्वम् आपणं गच्छ	4+4+4	पहेलियाँ बच्चों एवं बड़ों में मानसिक उल्लास जागृत करती हैं। छात्र लोट्लकार का प्रयोग सीखेंगे।	पाठ का सस्वर वाचन कीजिए। पाठ में आई नई धातुओं का चार्ट बनाइए एवं उनके अर्थ लिखिए।	A4 साइज़ शीट पर लट्लकार और लृट्लकार धातुरूपों के प्रत्यय का तुलनात्मक चार्ट तैयार कीजिए।	प्रहेलिका पाठ से छात्रों में जिज्ञासा उत्पन्न होगी। वे नई पहेलियाँ खोजेंगे। छात्र नई धातुओं का प्रयोग सीखेंगे।

	व्याकरण- धातुरूप- गम्, हस्, नी (लट्, लृट् एवं लङ्लकार)					
नवम्बर	त्रयोदशः पाठः पृथिव्यां त्रीणि रत्नानि चतुर्दशः पाठः आलस्यं हि मनुष्याणाम् शरीरस्थो महानरिपुः व्याकरण- गिनती (1-20), प्रत्यय- क्त्वा, तुमुन्, ल्यप् अव्यय, चित्र, संवाद, पठित एवं अपठित गद्यांश। PT2 syllabus पाठ 9 अतिथि देवोभव	4+4+4+2	श्लोक नैतिक मूल्यों को सीखाने का सशक्त माध्यम है। आलस्य मनुष्य के शरीर का सबसे बड़ा शत्रु है।	पाठ में आए श्लोकों को कंठस्थ कीजिए एवं कक्षा में सुनाइए। पाठ से प्रेरित होकर कोई अन्य कहानी कक्षा में सुनाइए।		छात्र अपने जीवन में सद्गुणों को अपनाने के लिए प्रेरित होंगे। छात्र नए श्लोकों को पढ़ने एवं उनका अर्थ जानने के लिए प्रेरित होंगे। छात्र परिश्रम के महत्त्व को जानेंगे।

	पाठ 10 बुद्धिः सर्वार्थसाधिका					
दिसम्बर	पञ्चदशः पाठः माधवस्य प्रियम् अङ्गम् षोडशः पाठः वृक्षाः सत्पुरुषाः इव	4+4+2	शरीर ईश्वर प्रदत्त अनमोल उपहार है एवं कर्म करने का साधन है। वृक्ष परोपकारी होते हैं इनका संरक्षण आवश्यक है।	शरीर के अंगों के नाम संस्कृत में लिखकर उनके हिंदी अर्थ लिखिए। परोपकारपर आधारित श्लोकों का संग्रह कीजिए।		शरीर के अंगों के संस्कृत नाम जानने से उनके शब्दकोष में वृद्धि होगी। वृक्ष के महत्त्व को जानकर वृक्षारोपण के लिए प्रेरित होंगे।
जनवरी	व्याकरण- गिनती (1-20), प्रत्यय- क्त्वा, तुमुन्, ल्यप् अव्यय, चित्र, संवाद, पठित एवं अपठित गद्यांश। एवं पाठ पुनरावृत्ति।	4+4+4+2	व्याकरणिक ज्ञान के बिना भाषा ज्ञान अधूरा है।	अव्ययों का प्रयोग कर वाक्य बनाइए।		व्याकरण में आने वाली समस्याओं का हल प्राप्त करेंगे।
फरवरी	वार्षिक परीक्षा (पाठ 9, 10, 13, 14, 15, 16) लिखित एवं मौखिक पुनरावृत्ति	6				भाषा एवं व्याकरण में निपुणता प्राप्त करेंगे।

TERM 2 syllabus पाठ 9, 10, 13, 14, 15, 16 (सम्पूर्ण अभ्यास कार्य) शब्दरूप- तत् (तीनों लिंगों में), युष्मद् धातुरूप- गम्, नी, हस् (लट्लकार, लृट्लकार एवं लङ्लकार में) व्याकरण- गिनती 1 से 20, चित्र, संवाद, अव्यय, प्रत्यय- क्त्वा, ल्यप्, तुमुन् पठित, अपठित गद्यांश					
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NAME OF INCHARGE TEACHER :- MRS. JYOTI KULKARNI

SIGNATURE OF CO-ORDINATOR :- MRS. SANGEETA YADAV

SIGNATURE OF PRINCIPAL :-

CARMEL CONVENT SR SEC SCHOOL, RATANPUR

YEAR PLANNER 2026-27.

CLASS - VI

SUBJECT-PHYSICS.

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOTTED	LEARNING OUTCOMES	SUGGESTED ACTIVITIES / ASSESSMENT / PRACTICAL	ART INTEGRATED ACTIVITY	KEY COMPETENCIES
April	Chapter-5 Measurement of length and motion Subtopics: - 1. Measuring distances during transportation. 2.what is measurement and ancient units of measurement including- Handspan, Cubits, Footsteps, yard, Stride, Pace armspan etc. 3.International system of units 4.Sign conventions of SI units 5.Multiple and submultiple units of length 6.Measurement of length. 7.Using a ruler to measure length	10 hrs.	By learning this module, the student is be able to understand: - 1.How to measure distances during transportation. 2.How do define measurement including the ancient units of measurement like handspan cubits and footsteps along with stride and pace. 3.Analyse the international system of units. 4.Explain the sign convention associated with SI units 5.Describe the multiple and sub multiple units of length.	1.Measuring the length of a curved wire, using a long string. 2.To measure the dimensions of a match box and paste it on a chart paper. 3. SEA -To prepare a chart on the different types of motion. 4.Make your own measuring tape or ruler. Objective: To learn how measuring tools work. Activity: - Create a paper measuring strip marked in centimeters and use it to measure objects.	To prepare a chart on the different types of motion.	1.The student will be able to solve the numericals with ease, which involves conversion problems from one unit to another. 2.The student will be able to measure and dimension the objects with different shapes and size. He will be able to measure regular and irregular solids. 3.He will be able to understand the meaning of fixed reference point and will be able to define motion on the basis of that.

	8.What is parallax error 9.Using a thread to measure the length of a curved line. 10.importance of estimation 11.Motion 12.Reference point. 13.Describing types of motion including rectilinear motion, curvilinear motion, rotatory motion, circular, oscillatory motion, periodic, non-periodic and random motion.		6.Analyse how length is measured and describe the importance of ruler in measuring length. 7.Explain parallax error. 8.Using a thread to measure the length of a curved line. 9.Significance of estimation. 10.What is motion and how it is different from rest. 11.What is reference point and how is it related to rest and motion 12.Describe the different types of motion in depth.			4.Will be able to describe relative motion. 5.The student will be able to identify what is parallax error 6.The student will be able to make use to measure the length of a curved line. 7.They will attain the mastery of concept of estimation and rounding off. 8.The student will develop logical reasoning to explain how the position of an object changes with respect to time. 9. Analyze how the state of an object (rest or motion) may change when viewed from different reference points.
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						10. Determine the state of an object by selecting and using an appropriate reference point in given scenarios.
June	Measurement of length and motion continued.....					
July (PT-1) Syllabus-entire chapter on measurement of length and motion.	Ch-12 Beyond Earth. Subtopics include-Stars and constellations 1.What are stars and what are constellations. 2.Orion, Canis major, Canis minor, Taurus, ursa major ursa minor 3.Our solar system, the sun, the planets, the inner planets and the outer planets 4.The earth the natural satellites, the moon. 5.Dwarf planet Asteroids, Comets, Milky way galaxy, The universe and the exoplanets.	11 hours	By learning this module, the student will be able to understand: 1.The difference between stars and constellations and describe the various types of constellations. 2.The solar system in great depth and will be acquainted with the inner and outer planets. 3.About the earth which is known as the blue planet and also about the natural as well as the artificial satellite. 4.The dwarf planet Asteroids,	1. Solar System Model Activity Objective: Understand the arrangement of planets in the Solar System. Activity: Students create a 3D or chart model of the Solar System using clay balls, thermocol, paper cut-outs, or digital tools. 2.Day and Night Demonstration (Practical) Objective: Demonstrate how Earth's rotation causes day and night. 3. Moon Observation Journal Objective: Observe		The student will achieve: 1. Conceptual Understanding. 2. Observation and Inquiry Skills 3. Analytical and Critical Thinking Skills 4. Application of scientific knowledge. 5. Scientific Communication Skills 6. Practical and Model-Building Skills 7. Collaboration and Research Skills

			Comets, Milky way galaxy, The universe and the exoplanets.	changes in the Moon's appearance. Activity: Students observe the Moon for 7–10 consecutive days and record your observations.		
July	Ch-12-Beyond Earth (Continued).....					
August	Chapter 4- exploring magnets 1.Discovery of magnets 2Classification of Magnets. (a)Natural Magnets (b) Artificial magnets. 5.Magnetism 6.Properties of magnet (a)Poles of a magnet (b)magnetic poles always exist in pairs (c)Like poles repel and unlike poles attract each other. 7.The poles of a magnet align in	8 hours	The students will be able to: - 1.Grasp the discovery of magnets 2.Define a magnet and identify its basic properties. 3.Recognize magnets used in daily life. 4.Explain the importance of magnets in common objects and appliances. 5.Differentiate between magnetic and non-magnetic objects. 6.Different-ate between magnetism and	1. Activity: Identify Magnetic and Non-Magnetic Materials Objective: To classify objects as magnetic and non-magnetic. 2.Activity: Where is the Magnet Strongest? Objective: To identify magnetic poles. 3. Activity: Finding Directions Using a Magnet Objective: To learn the direction-finding property of magnets.		Students will be able to grasp the following:- 1.Identificati on Skills Observe and identify magnetic and non-magnetic materials from their surroundings using simple investigations. 2.Scientific Inquiry and Experiment ation Perform hands-on activities to investigate the properties of magnets, magnetic poles, and magnetic interactions. 3.Classificati on and

	north south-direction 8.Electromagnets 9.Earth acts as a giant bar magnet 10.Magnetic compass 11.Demagnetization 12.Storing magnets		properties of magnet. 7.Define electromagnets 8. why earth acts a giant bar magnet 9.Explain the working of a magnetic compass 10.Explain the concept of demagnetization 11. Elucidate about the storing and safe keeping of magnets.		Analytical Thinking Classify objects based on magnetic properties and analyze experimental observations to draw logical conclusions. 4.Understanding of Magnetic Properties Explain the concepts of attraction, repulsion, magnetic poles, and direction-finding property of magnets. 5.Application of Scientific Concepts in Daily Life 6.Relate the uses and applications of magnets to real-life objects, devices, and everyday situations. 7.Problem-Solving and Practical Skills
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						Use magnets to solve simple tasks such as finding directions, separating materials, and creating simple magnetic tools. 8.Collaboration and Communication Skills Work collaboratively during classroom activities, record observations, and communicate scientific findings using appropriate vocabulary
August	Chapter 4- Exploring magnets continued....					
September (Revision for Term 1 examination)	Term I syllabus includes: - Chapter 5: -Measurement of length and motion. Chapter 12: -Beyond Earth.					

October	Chapter-7 Temperature and its measurement Subtopics include: - 1.Heat -a form of energy 2.Temperature 3.Difference b/w heat & temperature 4.Clinical thermometer 5.Mercury in glass thermometer 6.Digital thermometer 7.Digital non-contact thermometer and infrared thermometer. 8.Measuring temperature. 9.Scales used for recording temperature. 10.Detecting fever in early times 11.Laboratory thermometer 12.Correct way of measuring the temperature	11 hours.	Students will be able to explain: - 1. heat as a form of energy and describe how it flows from a hotter object to a colder object. 2. Students will be able to define temperature and explain its role in indicating the degree of hotness or coldness of a body. 3.Between heat and temperature based on meaning, units. 4. Students will be able to identify a clinical thermometer and explain its purpose and uses in measuring human body temperature. 5. Students will be able to describe the structure, working principle, advantages, and limitations	1. Touch and Compare – Hot or Cold Objective: To understand that our sense of touch is not always reliable for measuring temperature. Materials: Three bowls (hot water, cold water, lukewarm water) 2. Measure Body Temperature Using Different Thermometers. 3.Laboratory Thermometer Correct Usage Practice. Objective: To learn the proper technique for measuring temperature. 4.Measuring Water Temperature Using a Laboratory Thermometer Objective: To learn the correct use of a laboratory thermometer.	Students will be able to develop the following key competencies through the study of the given subtopics: 1.Conceptual Understanding of Heat and Temperature. 2. Scientific Observation and Measurement Skills 3. Instrument Identification and Usage 4. Procedural and Experimental Competency 5. Data Handling and Analytical Skills 6. Precision and Accuracy in Measurement
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	using laboratory thermometer. 13.Least count of a thermometer. 14.Room thermometer.		of a mercury-in-glass thermometer. 6.Students will be able to explain the functioning and applications of a digital thermometer and compare it with traditional thermometers. 7. Students will be able to explain how digital non-contact and infrared thermometers measure temperature without physical contact and discuss their real-life applications. 8. Students will be able to demonstrate the correct procedure for measuring temperature using different types of thermometers. 9. Students will be able to identify and compare different temperature	5. Clinical vs Laboratory Thermometer Comparison Objective: To identify differences between thermometers.		
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			scales such as Celsius, Fahrenheit, and Kelvin. 10. Students will be able to describe traditional methods used for detecting fever before the invention of modern thermometers. 11. Students will be able to identify a laboratory thermometer and explain its structure, range, and applications in scientific experiments 12. Students will be able to demonstrate the correct method of using a laboratory thermometer while following safety precautions and observational accuracy. 13. Students will be able to determine the least count of a thermometer			
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			and explain its significance in accurate temperature measurement. 14. Students will be able to identify a room thermometer and explain its use in measuring ambient or surrounding temperature.			
November	Chapter -7 Temperature and its measurement continued.....					
December (PT2 exam)	Syllabus Chapter-4 (Exploring magnets)					
January	Chapter -7 Temperature and its measurement and revision.					
February (Term-II Exam)	Syllabus for the Term II: - Chapter 4 -Exploring Magnets Chapter -7 Temperature and its measurement					

Name of Incharge Teachers: **Mrs. Sapna Nair, Mr. Jaideep Mathew.**

Signature of Coordinator: _____.

Signature of Principal: _____.

CARMEL CONVENT SR SEC SCHOOL, RATANPUR
YEAR PLANNER 2026-27 CLASS – VI SUBJECT-COMPUTER

MONTH	NAME OF THE UNIT / CHAPTER AND SUB TOPICS	TIME ALLOT TED	LEARNING OUTCOMES	SUGGES TED ACTIVITI ES / ASSESS MENT/PR ACTICAL	ART INTEGRA TED ACTIVITY	KEY COMPETENC IES
April	Chapter 2- Introduction to coding. The subtopics include the following- 1.What is an algorithm? 2.Flowchart and its symbols. 3.Pseudocod e and its benefits 4.Coding and its applications 5.Introductio n to pictoblox.	8 hours	After completion of this module the student will be able to 1. Define an algorithm and explain its importance in solving problems through step-by-step instructions. 2. Identify common flowchart symbols and create simple flowcharts to represent logical processes and solutions. 3. Describe pseudocode, understand its benefits, and write basic	Practical: - Tobi walking animation.	1.Obstacle avoidance robot 2.AI based face detection lock/unlock .	The key competencies which will be achieved are asfollows: 1.Logical thinking, problem-solving ability, sequencing skills, analytical reasoning. 2.Visual representation skills, decision-making ability, logical organization, and computational thinking. 3.Structured thinking, algorithmic design Communicatio n of ideas, planning and

			pseudocode for simple problem-solving tasks. 4. Explain the concept of coding and recognize its real-life applications in technology, games, websites, apps, and automation. 5. Demonstrate a basic understanding of Pictoblox by navigating its interface and creating simple coding projects using block-based programming			reasoning skills. 4. Digital literacy, creativity, technological awareness, real-world application understanding. 5. Hands-on programming skills, creativity, innovation. 6. Computational thinking, collaboration and experimentation skills.
June	Chapter-3 Introduction to variables The subtopics include: - the following: 1. Variables and its data types 2. Working with	4.5 hours	By learning this module, the student will be able to: - 1. Students will be able to understand the concept of variables, identify different data types, and explain their role in storing	The Practicals are as follows: 1. Tracking sprite using variables. 2. Addition Bot 3. Animation with quarky		1. Logical thinking, analytical skills, computational thinking, data handling and classification skills. 2. Hands-on programming skills, problem-solving ability, digital literacy,

	variables in pictoblox 3.performing operations on variables 4.Introduction to Quarky		information in coding. 2. Students will be able to create, use, and modify variables in pictoblox to build simple coding projects. 3. Students will be able to perform basic mathematical and logical operations using variables in coding activities. 4. Students will be able to explore Quarky, understand its features, and recognize its use in coding, robotics, and AI-based project.	4.Traffic light with quarky.		practical application skills. 3.Numerical reasoning, critical thinking, logical problem solving, algorithmic thinking. 4.Technological awareness creativity, innovation, 5.STEM learning skills, experiential learning and collaboration.
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July	Chapter-9 Introduction to robotics Subtopics include: - 1.robot and its applications 2.Quarky as a robot 3.introduction to sensors. 4.introduction to actuators 5.Introduction to obstacle avoidance robot.	10 hours	By studying this module, 1. The student will be able to: - Define robots, explain their functions, and identify their applications in various fields such as healthcare, industry, education, and daily life. 2. Students will be able to understand Quarky as an educational robot and explore its components and basic functionalities. 3. Students will be able to understand the concept of sensors and explain how robots use sensors to detect and respond to their environment. 4. Students will be able to describe			The key competencies achieved are as follows: 1.Technological awareness, critical thinking, real-world application understanding, analytical skills. 2. Hands-on learning, digital literacy, creativity, innovation, STEM learning skills. 3.Observation skills, logical thinking, problem-solving ability, computational thinking. 4.Scientific understanding, analytical reasoning, system thinking, application skills. 5.Programming and robotics skills, critical thinking, creativity, problem solving,
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			actuators and understand their role in enabling movement and actions in robotic systems. 5. Students will be able to explain the working principle of an obstacle avoidance robot and create or analyze a basic obstacle avoidance model using robotic concepts.			experimentation and innovation skills.
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July	Chapter 10- Fun with AI The subtopics include: - 1.What is AI 2.AI around us. 3.What is face detection 4.Generative AI: ChatGPT		By learning this module, the student will be able to: 1. Define Artificial Intelligence (AI), understand its basic concepts, and explain how AI enables machines to perform intelligent tasks. 2. Identify examples of AI in everyday life and explain its role in applications such as smartphones, virtual assistants, recommendations, and smart devices. 3. Students will be able to understand the concept of face detection and explain how AI systems recognize and detect human faces in images and videos. 4. Students will be able to understand the basics of Generative AI and explore how ChatGPT can be used for communication, learning, content creation, and problem solving. 5. Identify real-life applications of face detection such as phone unlocking, security systems, and photo tagging. 6. Differentiate between face detection and face recognition in simple terms. 7. Recognize examples of AI used in daily life (voice assistants,	Practical 1. Creating face filters 2. Transforming word into emojis.		The key competencies which can be gained are as follows: 1. Digital literacy, analytical thinking, technological awareness, conceptual understanding. 2. Observation skills, real-world application understanding, critical thinking, technological awareness. 3. Computational thinking, logical reasoning, problem-solving skills, digital competency 4. Creativity, communication skills, digital literacy, innovation, ethical and responsible use of technology. 5. Understands the meaning and purpose of Generative AI tools like ChatGPT. And finally 6. Identifies how AI can generate
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	Chapter 10- Fun with AI The subtopics include: - 1.What is AI 2.AI around us. 3.What is face detection 4.Generative AI: ChatGPT		recommendations, maps, smart devices, etc.). 8. Explain how AI helps in making tasks easier, faster, and more efficient. 9.Develop awareness of the increasing role of AI in different fields such as healthcare, education, and transportation.			text, ideas, and responses from user prompts. 6.Develops knowledge of how AI can recognize visual patterns and images.
July	AI Syllabus Chapter -1 Introduction to AI and Everyday Examples		1.Understand the Concept of AI – Students will be able to explain the meaning of Artificial Intelligence and its basic purpose. 2.Identify AI in Daily Life – Students will recognize common examples of AI used in everyday activities and devices. 3.Differentiate AI-based and Non-AI Systems – Students will learn to distinguish between technologies that use AI and those that do not. 4.Problem-Solving and Decision-Making Skills – Helps students appreciate how AI assists in solving real-life problems efficiently.			1.Digital and Technological Literacy – Develops an understanding of AI concepts and technology used in everyday life. 2.Observation and Identification Skills – Builds the ability to identify and analyze AI applications in the surrounding environment. 3.Critical Thinking and Analytical Skills.

August	Chapter: -1 Basics of ICT: The subtopics includes the following: - 1.Generation of computers 2.Computer programing language 3.translators and their types 4.working with windows 5.Filemanagem ent to organize data 6.Media player in windows 7.Data representation 8.Decimal binary conversion.	10 hours	By learning this module, the student will be able to: - 1.Identify the different generations of computers and their characteristics. 2.Understand the technological developments in each computer generation. 3.Differentiate between the generations based on hardware, speed, size, and functionality. 4.Appreciate the evolution and advancement of computer technology. 5.Understand the meaning and purpose of programming languages. 6.Identify different types of programming languages (mac language, assembly language, high-level language). 70 Explain the role of programming languages in communicating instructions to computers. 8. Recognize the importance of coding in problem-solving and software development. 9.Understand the concept of language translators in computers. 10.Differentiate between compiler, interpreter, and assembler.	Practicals: 1.Demons -trate basic operating system navigation and window managem ent skills. 2.Use common Windows features and tools effectively for day-to-day computer operations . 3.Organiz e, create, rename, move, copy, and delete files and folders efficiently . 4.Develop systematic data managem ent and digital organizati on skills. 5.Operate Windows	The key competencies which have been achieved are as follows: - 1.Develop understanding of the evolution and development of computers across different generations. 2.Identify key technological advancements and features of each computer generation. 3. Compare different generations of computers based on size, speed, storage, and technology used. 4. Understand the purpose and importance of programming languages in computer operations. 5.Differentiate between various types of programming languages (machine, assembly, and
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		11.Explain how translators convert programming code into machine. Readable language. 12. Recognize the role of translators in program execution. 13. Understand the features and functions of the Windows operating system. 14.Navigate and use desktop elements, taskbar, start menu, and application windows. 15.Perform basic operations such as opening, minimizing, maximizing, and closing programs. 16. Develop confidence in working within a graphical user interface environment. 17.Understand the importance of organizing files and folders. 18.Create, rename, copy, move, and delete files and folders effectively. 19.Apply file management techniques to store and retrieve information efficiently. 20.Develop systematic digital organization skills. 21.Identify the purpose and functions of media player software. 22.Play, pause, stop, and manage audio/video files	Media Player to play and manage multimedia files.	high-level languages). 6. Build logical and computational thinking skills through understanding coding concepts. 7. Explain the role of translators in converting programming code into machine-readable form. 8.Differentiate between compiler, interpreter, and assembler. 9. Apply knowledge of translators to understand program execution processes. 10.Demonstrate basic operating system navigation and window management skills. 11.Use common Windows features and tools effectively
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			using Windows Media Player. 23.Understand different multimedia file formats. 24.Develop basic multimedia handling skills. 25.Understand how computers represent data internally. 26.Explain the concept of bits, bytes, and digital data representation. 27.Recognize different forms of data representation such as numbers, text, and image 28.Develop foundational knowledge of computer data processing. 29.Understand the decimal and binary number systems. 30.Convert decimal numbers into binary form and vice versa. 31.Apply conversion techniques accurately in solving numerical problems. 32.Develop logical and computational thinking skills through number system conversions.			for day-to-day computer operations. 12.Develop confidence in handling desktop environments and system functions. 13.Convert numbers between decimal and binary number systems accurately. 14.Understand the significance of binary numbers in computer functioning. 15. Strengthen analytical, logical reasoning, and problem-solving skills through number system conversion.
August	Syllabus -AI Chapter 2 Basic Data Concepts		1.Understand the Meaning of Data – Students will be able to define data and explain its importance in everyday life and decision-making.			Data Literacy – Develops the ability to understand, interpret, and work with different types of data.

			2. Identify Different Types of Data – Students will recognize various forms of data such as text, numbers, images, audio, and video.			Analytical Thinking Skills – Enhances the ability to examine data.
September	Term I exam begins Syllabus: - (Ch- 1,2,3,9,10)	4.5 hours				
October	Chapter -4 Control with Conditions The subtopics include: - 1. Conditional Programming 2. Relational operators 3. Logical operators 4. Combining the logical operators 5. Nested conditional statements	10 hours	By learning this module, the student will be able to: - 1. Understand the concept and importance of conditional programming. 2. Identify situations where decision-making is required in programs. 3. Use conditional statements to control the execution flow of a program. 4. Develop simple programs using conditions to solve real-life problems. 5. Understand the purpose of relational operators in programming. 6. Learn to compare values and expressions using relational operators (>, <, ==, !=, >=, <=). 7. Evaluate conditions and interpret Boolean outputs (True/False).	Practicals for this module: - 1. Practice Conditional Programming 2. Counter using while loop 3. Tables using for loop 4. Nested statements with quarky board 5. Beetle in the maize.		The key competencies which can be achieved for the session are as follows: - 1. Understands the concept and purpose of conditional programming in problem solving. 2. Identifies situations where decision-making statements are required in programming. 3. Applies conditional statements to control the flow of a program. 4. Develops logical thinking and algorithmic reasoning skills.

			8. Apply relational operators in conditional statements effectively. 9. Understand the function of logical operators (AND, OR, NOT) in programming. 10. Apply logical operators to create logical conditions. 11. Understand how multiple logical operators can be combined in programming. 12. Create compound conditions using logical operators. 13. Understand the concept of nested conditional statements. 14. Learn how to place one conditional statement inside another.		5. Recognizes and uses relational operators (>, <, ==, !=, >=, <=) correctly. 6. Compares values and expressions to evaluate conditions. 7. Interprets the Boolean outcomes (True/False) of relational operations. 8. Uses comparison operators effectively in program conditions. 9. Combines multiple logical conditions to solve complex programming problems. 10. Constructs compound conditional statements using logical operators.
November	Chapter 5 - Understanding of loops the subtopics include the following: -	10 Hours	By learning this module, the student will be able to: - 1. Explain the concept and purpose of loops in programming.		1 Analyzes and predicts the outcomes of combined logical expressions. 2. Improves problem-solving and logical reasoning abilities

	1.Loops and their types 2.Loop controls 3.Building games with coding concepts.		2. Identify and differentiate between various types of loops. 3.Apply appropriate loops to perform repetitive tasks efficiently. 4. Understand the role of loop control statements in programming. 5.Use loop controls to start, stop, skip, or modify loop execution. 6.Apply loop control mechanisms to improve program efficiency and logic. 7. Apply coding concepts to design and develop simple games. 8.Use programming structures such as loops, conditions, and controls in game creation. 9.Demonstrate creativity and logical thinking while building interactive games. 10.Test, debug, and improve game functionality through coding practices.		through condition building. 3.Understands the concept and structure of nested conditional statements. 4.Uses nested conditions to handle multi-level decision-making scenarios. 5. Designs programs involving multiple layers of logical checks. 6. Enhances analytical thinking and debugging skills while working with nested logic. 7.Understands the concept and purpose of loops in programming. 8.Identifies and differentiates b/w various kinds of loops.
November	AI Syllabus: Chapter 3: Simple Pattern Recognition and Decision Making		1.Understand the Concept of Patterns – Students will be able to identify and describe patterns in numbers, shapes, images, and everyday situations.		1. Pattern Recognition Skills – Ability to identify, analyze, and interpret patterns in various forms of data and information.

			2.Recognize Patterns for Prediction – Students will learn how patterns can be used to predict outcomes and make simple decisions.			2.Logical and Computational Thinking – Development of logical reasoning and step-by-step thinking for solving problems
December	Chapter 6: - Basics of MS Word The subtopics include: - 1.What is MS word? 2.Formatting text 3.Tables in MS word. 4.Mail merge in MS word.	7.5 hours	By learning this module, the student will be able to: 1. Understand the purpose and features of MS Word. 2. Identify the components and interface of MS Word. 3.Learn how MS Word is used for creating, editing, and managing documents. 4. Develop basic skills for working with text documents. 5. Understand the importance of text formatting in document presentation. 6.Apply formatting features such as font style, size, color, alignment, and spacing. 7. Enhance the readability and appearance of documents using formatting tools. 8.Create professionally formatted documents.	Practicals for this module include: - 1.Practice Making of tables in MS word 2.Practice mail merge in MS Word		The key Competencies which will be achieved by learning this module are asfollows: - 1. Understand the purpose and features of MS Word as a word processing application. 2. Demonstrates basic document creation, editing, saving, and opening skills. 3. Identifies various tools and interface components of MS Word. 4. Applies text formatting features such as font style, size, color, alignment, and spacing. 5. Enhances document

			9. Understand the purpose and use of tables in documents. 10. Learn to create, edit, and format tables in MS Word. 11. Understand the concept and purpose of Mail Merge		presentation using appropriate formatting techniques. 6. Creates, edits, and formats tables to organize information effectively. 7. Uses table tools for arranging and presenting data systematically. 8. Understands the concept and purpose of mail merge. 9. Uses mail merge to create personalized letters, labels, and documents efficiently. 10. Integrates data sources with document templates accurately. 11. Understands the concept and purpose of mail merge. 12. Uses mail merge to create personalized letters, labels, and documents efficiently.
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						13.Integrates data sources with document templates accurately. 14. Develops automation and productivity skills
December	Chapter-7 Basics of MS excel. The subtopics include: - 1.What is MS Excel 2.Sorting and filtering data in MS excel 3.Using formulae in Excel.		By learning this module, the student will be able to: 1.Understand the terms and commands associated with MS excel 2.Perform sorting and filtering data in MS excel 3.Will be able to use formulae in MS excel	Practicals : sales data analysis		The learning outcomes which can be generated are asfollows: - 1.Understands the purpose and features of MS Excel as a spreadsheet application. 2. Demonstrates the ability to create, save, open, and edit worksheets. 3. Organizes data efficiently using sorting techniques. 4. Applies filtering tools to extract specific information from datasets. 5. Understands the concept and purpose of formulae in spreadsheets.
December	Syllabus of AI Chapter 4: Ethics and		1.Understand Digital Ethics – Students will understand the importance of ethical			1. Digital Citizenship Skills – Demonstrates

	Digital Responsibility		behavior while using digital technologies and online platforms. 2. Recognize Responsible Digital Citizenship – Students will learn how to interact respectfully, safely, and responsibly in digital environments.		responsible, respectful, and ethical behavior while using digital technologies. 2.Cyber Safety and Security Awareness – Applies safe practices to protect personal information and maintain online security.
January	Chapter-8 Basics of MS PowerPoint. Subtopics: 1. What is MS PowerPoint 2.Working with slides.	7.5 hours	1. Define MS PowerPoint and explain its purpose as a presentation software. 2.Identify the features and uses of MS PowerPoint in creating visual presentations. 3.Create a new presentation using MS PowerPoint. 4. Understand the concept of slides and recognize different slide layouts. 5.Add, delete, duplicate, and rearrange slides within a presentation. 6. Insert and edit content on slides, such as text, images, and basic design elements. 7.Apply simple formatting and themes to make slides visually appealing. 8.Navigate through slides and run a presentation	Practicals: 1. Present yourself	1.Digital Presentation Skills – Develops the ability to create and deliver digital presentations using MS PowerPoint. 2.Understanding Presentation Software – Gains knowledge of the purpose, features, and applications of MS PowerPoint. 3.Slide Creation and Management – Learns to create, add, delete, duplicate, arrange, and organize slides effectively. 4.Content Organization Skills – Develops the ability to

			effectively using slideshow mode. 9.Develop basic presentation skills by organizing information clearly on slides. 10.Demonstrate confidence in creating and managing simple digital presentations.		present information in a structured, clear, and visually appealing manner. 5.Formatting and Design Skills – Builds skills in applying layouts, themes, backgrounds, and slide formatting techniques. 6.Creativity and Communication – Enhances creativity by designing engaging presentations and improves communication through visual storytelling. 7.Problem-Solving and Technical Skills – Develops confidence in navigating presentation tools and handling basic slide-editing tasks independently. 8.Information Presentation and Collaboration Skills – Encourages effective sharing of ideas, projects, and information
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						using presentation software.
February	Term II Exam begins. (Syllabus Ch-4,5,6,7,8)					

Name of subject teachers:-Ms. Krishnapriya Daniel, Ms. Bhuvan Gangil, Mr. Jaideep Mathew.

Signature of Subject coordinator: -

Signature of Principal: -