

## SYLLABUS FOR 2022-23

Class:-X

### ENGLISH

Months	Chapter	Name of Chapter	Activities	Grammar
April	1	A letter to God (Prose)	Spell Bee	Punctuation Determiners, Modals, Application Writing, Letter Writing, Story Writing
	5	Footprints without feet (Short Story)	Quiz	
	1	A triumph of surgery (short story)	Make Sentences	
	6	Making of scientist (Short story)	Group Discussion	
May	2	Nelson Mandela :Long walk to freedom (prose)	Spell Bee	Suffix and prefix, Reported Speech, Commands, Requests, Unseen prose and poetry, Case study, Degrees of adjective, Notice Writing, Email Writing
	1	Dust of snow (poem)	Poetry Writing	
	1	Fire and ice (poem)	Worksheet	
	3	Two stories about flying Part 1 (prose)	Group Discussion	
	3	Two stories about flying Part 2 (prose)	Group Discussion	
June/July	4	From the diary of anne frank (prose)	Spell Bee	Descriptive Paragraph
	2	A Tiger in the zoo (poem)	Peer Teaching	Message Writing
	4	How to tell wild animals (poem)	Picture Description	Tenses
	6	Animals (poem)	Worksheet	
	3	The Midnight Visitor		
August	4	A Question of trust (short story)	Story Narration	Types of sentences
	5	The hundred dresses Part 1	Spell Bee	Idioms
	6	The hundred dresses Part 2	Spell Bee	Assertion Reason
	2	The Thief's story (short story)		Jumbled Sentences
September	4	The Ball pen (poem)	Peer Teaching	Synonyms Antonyms, homonyms
	4	Amanda (poem)	Quiz	Dialogue Writing
	7	Glimpses of India (I. A BAKER FROM GOA) Prose	Report Writing	Slogan Writing
	7	II. Coorg (prose)	Report Writing	Article Writing
	7	III. Tea from Assam	Report Writing	



CARMEL  
JAMMU

BUDHENDRAJI DILLI

# CARMEL CONVENT SCHOOL

Affiliated to CBSE, New Delhi, Aff.No.730203

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	7	The Necklace(short story)	One Act Play	Subject Predicate
October		REVISION		Subject Verb Agreement
November	7	The trees(poem)	One Act Play	
			Group Discussion on Literary Devices	
	8	Mijbil the Otter(prose)		
	8	The hackdriver (short story)	Quiz	Advertisement
December				Picture Description
	8	Fog (poem)	Poetry Recitation with discussion	Essay Writing
	9	Bholi(short story)	Spell Bee	
	10	The Book that saved the Earth(short story)	Essay Writing	
	11	The Proposal (play)	Role Play	Compound Word
January	9	Madam rides thebus(prose)	Quiz	Editing Omission
	9	The Tale of custard the dragon(poem)	Worksheet	
	10	The sermon at benares(prose)	Role Play	
	10	For Anne Gregory(poem)	Spell Bee	
February		Revision		

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**MATHS**

MONTH	Chapter no.	Name of the chapters	Activity
APRIL	(Ch-1)	1. Real Numbers	To find the H.C.F of two numbers experimentally based on Euclid Division Lemma
	(Ch-3)	2. Linear Equations in two variables	To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
MAY	(Ch-7)	3. Coordinate Geometry	To verify distance formula by graphical method.
	(Ch-2)	4. Polynomials	To draw the graph of quadratic polynomial and observe the shape of curve when the coefficient of $x^2$ is positive
June / July	(Ch-6)	5. Triangles	To find relationship between areas and sides of similar triangles.
August	(Ch-12)	6.Areas Related to circles	To find the number of tangents from a point to a circle.
	(Ch-15)	7.Probability	Determine experimentally probability of 1,2,3,4,5,6 by throwing a die 100 times and compare with their theoretical probabilities.
September	(Ch-8 )	8. Trigonometry	Finding of different trigonometric Ratios
	Revision	Revision of Term 1	Revision of Term 1
Oct / Nov	(Ch-13)	1. Surface Area & Volumes	To form a frustum of a cone.
November	(Ch-4)	2. Quadratic Equations)	Obtain the solution of a quadratic equation by completing the square geometrically by cutting and pasting.
	(Ch-11)	3. Constructions	To verify that the lengths of tangents to a circle from some external point are equal

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December	(Ch-10)	4. Circles	To obtain a formula for the area of a circle experimentally.
	( Ch-9)	5.Applica tion of Trignometry	word problem worksheets
January	(Ch-5)	6.Arithmetic Progression	To identify Arithmetic progression in some given list of numbers patterns
	(Ch-14)	7. Statistics	To find average heights in cm of students of your section.
February	Revision	REVISION OF TERM -2	

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**BIOLOGY**

MONTH	LESSON/TOPIC	EXPERIMENTS/ FIELD TRIPS
April	Life Processes	To measure the body temperature & observe pulse rate
May- June	Control & CO-ordination	To prepare the temporary mount of Lactobacillus
July-Aug	Reproduction in Organisms	To study reproductive organs of a flower
September	Heredity & Genetics	To study Mendelian ratio using pea plant
October	Our Environment	Study of micro organisms in stagnant water
November	Management of natural resources	To show that green plants synthesize carbohydrates
December	Revision	Pre board

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**PHYSICS**

MONTH	Chapter numbers	NAME OF CHAPTERS	Activity
APRIL/MAY	Ch-10	LIGHT	Activity: Show the schematic representation of spherical mirrors; the shaded side is non-reflecting. Activity: Draw Ray diagrams for the image formation by a concave and convex mirrors and lenses. Activity: To understand the phenomenon of refraction of light through a Rectangular Glass Slab. Activity: To show: (a) Converging action of a convex lens, (b) diverging action of a concave lens.
June/July	Ch-11	Human eye and colourful world	Activity: To show dispersion of light ; Logically analyses the reason for the formation of rainbow. Activity : Conceptualizes the defects and Calculate the power of lens for correction of eye-defects.
August/September	Ch-14	Sources of energy	Activity: List down the sources of energy used in your daily life routine and segregate into forms and sources. Activity: ·Design and build a solar cooker or water-heater using low-cost material available and check what temperatures are achieved in your system.
October/November	Ch-12	Electricity	Activity: ·Draw a schematic diagram of an electric circuit comprising – cell, electric bulb, ammeter and plug key Activity: ·An electric circuit showing the combination of series and parallel resistors.
December/January	Ch-13	Magnetic effects of current	Activity: ·Compass needle is deflected on passing an electric current through a metallic conductor. Activity: ·Iron filings near the bar magnet align themselves along the field lines.

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**CHEMISTRY**

Months	Chapters	Activities
April	Chemical reactions & Equations	Magnesium ribbon test Iron Nail & Copper sulphate reaction live activity
May	Metals & Non-metals	Conductivity test of solution
August	Acids & Bases	Neutralization reaction of HCl & NaOH PH fruit/solutions
Sept/ Oct.	Periodic classification I	Test for pH of acids & Bases
November	Carbon compounds	Test for aromatic & aliphatic compounds Test for unsaturation
December	Periodic classification II	Test for Hydrogen & CO <sub>2</sub>
January/February	Revision	Revision

**Suggested book :** Textbook of Science class 10<sup>th</sup> published by NCERT.

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**HINDI**

S.NO	MONTH	PROSE	GRAMMAR	ACTIVITY
1.	अप्रैल	1. बड़े भाई साहब ( प्रेमचंद ) 2. साखी ( कबीर दास ) 3. पद ( मीरा )	शब्द और पद शब्द और पद में अंतर अपठित बोध	1. पढ़ाई और खेल - कूद साथ - साथ चल सकते हैं - इस विषय पर वाद - विवाद प्रतियोगिता आयोजित किया जाएगा । 2. कस्तूरी मृग के विषय में जानकारी प्राप्त कर कार्य पुस्तिका में लिखेंगे ।
2.	मई	4. तताँरा - वामीरोकथा ( लीलाधर मंडलोई )	मुहावरों का प्रयोग	3. अंदमाननिकोबार द्वीप समूह की भौगोलिक स्थिति के विषय में जानकारी प्राप्त कर परियोजना कार्य पुस्तिका में लिखेंगे ।
3.	जून	5. डायरी का एक पन्ना ( सीतारामसेकसरिया )	अनुच्छेद लेखन	4. स्वतंत्रता आंदोलन में महिलाओं ने जो योगदान दिया , उनके बारे में जानकारी प्राप्त कर परियोजना कार्य में लिखेंगे
4.	अगस्त	6. हरिहर काका ( मिथिलेश्वर ) 7. पर्वत प्रदेश में पावस ( सुमित्रानंदन पंत )	सूचना लेखन	5. प्रकृति विषयक शब्द ( झरने , बादल , पानी , पक्षी , सूरज ) आदि का प्रयोग करते हुए एक कविता लिखिए । 6. भारतीय किसान के कष्टों पर परिचर्चा करना ।
5.	सितंबर	8. कर चले हम फिदा ( कैफ़ी आज़मी ) 9. दोहे ( बिहारी )	रचना के आधार पर वाक्य - रूपांतर	7. परमवीर चक्र के बारे में जानकारी प्राप्त कर कार्य पुस्तिका में लिखेंगे । 8. समाज में प्रचलित बाहरी आडंबरों पर परिचर्चा ।
REVISION OF TERM 1				
6.	अक्टूबर	10. पतझड़ में टूटी पत्तियां ( रविंद्र केलेकर ) • गिन्नी का सोना 11. मनुष्यता ( मैथिलीशरण गुप्त )	संवाद लेखन	9. समाज के कुछ आदर्शवादी लोगों के आदर्शों पर परिचर्चा करेंगे अथवा महात्मा गांधी के विषय पर एक अनुच्छेद लिखेंगे । 10. परोपकार , त्याग व अहिंसा किसी एक विषय पर अपने विचार प्रकट करेंगे ।
7.	नवंबर	12. सपनों के - से दिन ( गुरदयालसिंह ) 13. आत्मनारायण ( रविंद्र नाथ ठाकुर )	अशुद्ध वाक्यों का शोधन	11. छात्र जीवन में खेल व शिक्षा के बीच समन्वय स्थापित करने में समर्थ कराना । 12. रविंद्र नाथ ठाकुर का जीवन से परिचित कराना ।
8.	दिसंबर	14. टोपी शुक्ला ( राही मासूम रजा ) 15. कारतूस ( एकांकी )	समास विज्ञापन लेखन	13. अपने दादा-दादी या नाना-नानी के साथ बिताए क्षणों की संस्मरण लेखन व प्रस्तुतीकरण । 14. छात्र वृक्षारोपण से संबंधित कुछ चित्र बनाएंगे तथा

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		( हबीब तनवीर ) 16. अब कहाँ दूसरे के दुख से दुखी होने वाले ( निदाफ़ाज़ली )		स्लोगन भी लिखेंगे ।
9.	जनवरी	17. मधुर - मधुर मेरे दीपक जल ( महादेवी वर्मा ) 18. गिरगिट ( अंतोनचेख ) 19. तीसरी कसम के शिल्पकार शैलेंद्र ( प्रहलाद अग्रवाल )	पत्र - लेखन ( औपचारिक पत्र )	15. वर्तमान दौर की फिल्म और पहले की फिल्मों में क्या समानता और अंतर है इस विषय पर छात्र परिचर्चा करेंगे । 16. मीरा की किसी एक पद का गायन अथवा वीडियो द्वारा महाभारत का अंश बताना ।

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**SOCIAL SCIENCE**

MONTH	CHAPTER NO	CHAPTER NAME	SUBJECT	ACTIVITIES
April	Ch 1	The Rise of Nationalism in Europe	History	CURIOSITY QUESTIONS
	Ch 4	Agriculture	Geography	1) State different country allegory & their objectives.
	Ch 1	Power Sharing	Political Science	EXPERIENTIAL LEARNING
	Ch 3	Democracy & Diversity	Political Science	Simulation of Role of Guizepee Mazzini, Cavour & Garibaldi to explain the unification of Italy
May	Ch 2	Sectors of Indian Economy	Economics	GROUP ACTIVITY - Story Line LEARNING OUTCOME:-
	Ch 3	Money and Credit	Economics	* Understanding the exploitative nature of local moneylender. * Features of Self Help Group
June	Ch 4	Gender, Religion & Caste	Political Science	Prepare a skit on issue of gender discrimination in Indian Society.
July	Ch 3	Water Resources	Geography	Make a Pictograph album of Flora and Fauna and show various movements, vegetation in India.
	Ch 2	Forest and Wildlife	Geography	
Aug	Ch 2	Nationalism in India	History	Mind Map on World War 1 & it's impact on India( Pre Independence Era)
	Ch 3	The Making of Global World	History	
	Ch 1	Resources & Development	Geography	
Sep	Ch 2	Federalism	Political Science	GROUP ACTIVITY : Assigning specific responsibilities like Collection of data, information charts, photograph & For and against the motion.
	Ch 1	Development	Economics	
Oct	Ch 4	The Age of Industrialization	History	WORKSHEET:-A video on LPG will be sent to the students & they will complete the observation table in the classroom including the feedback
	Ch 5	Popular Movements & Struggle	Political Science	
	Ch 6	Political Parties	Political Science	
	Ch 4	Globalisation & the Indian Economy	Economics	
Nov	Ch 5	Minerals and Power Resources	Geography	GROUP ACTIVITIES & OBSERVATION TABLE
	Ch 7	Outcomes of Democracy	Political Science	Each group will be asked to make a PPT on the topic assigned
	Ch 5	Consumer Rights	Economics	

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Dec	Ch 5	Print Culture & The Modern World	History	Debate on "Significance of Printed Literature in the 19th century".
	Ch 6	Manufacturing Industries	Geography	
Jan	Ch 7	Lifelines of Indian Economy	Geography	JIGSAW METHOD:- The JIGSAW technique is a 'Trief & True' co-operative learning strategy that helps students create their own learning. Students will be arranged in groups and assigned a different piece of information. In their groups students learn the piece of information well enough to be able to teach it to the another group of students.
	Ch 8	Challenges of Democracy	Political Science	

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**ART**

Months	Topics
April	Landscape
	Poster making
	3-d painting
May	Portrait of leaders
	Story composition
	Scenery
	3-d painting
June/ July	Animal composition
	Save water drawing
	quilling
August	Save energy
	Portrait of freedom
	Fighters
	Mask making
September	
October	Monochrome painting
	Dodding art
	Tea coasters
November	Nature study
	Double exposure art
	Paper sculpture
December	Pictorial art
	Spatial art
	Wall hanging Scroll painting
January	Traditional art
	Environmental drawings
	Canvas painting
February	Revision

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**MUSIC**

MONTHS	SONG
April	Knowledge of terms -Sangeet
	Alankar based on seven swahas
	Kabir Das Dohe
May	Mothers Day Song
	Song on Nelson Mendala
June/ July	Love and respect for animals
August	Patriotic Songs
September	Kaifi Azmi Songs
October	
November	songs on Trees
December	Carols
	Songs on earth
January	Republic Day Songs
	Devotional Songs
February	

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GAME

Months	TOPIC
April	Importance of games and sports
	Rules and Skills
May	Yoga
	Benefits and importance of yoga
June/ July	Yoga asana- Animal poses and importance
August	Environment/ Nature and how to make ground of different outdoor games
September	
Oct/ Nov	Importance of health and its effects
November	Pollution and causes of pollution
December	Moral value and warm-up exercises with counting
January	March pass with counting
February	

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Months	Project
April	Effect of Photosynthesis
	PPT
	(SDG 13 CLIMATE ACTION)
May	Study /Estimate / Represent the impact of Economic Growth
	Field Trip / Survey
	(SDG 8/9 INDUSTRY/ INNOVATION /INFRASTRUCTURE)
June/ July	Dairy writing
	(PROJECT FILE)
August	Conventional & Non Conventional sources of Energy
	(Model based)
	(SDG 12/13 RESPONSIBLE CONSUMPTION &PRODUCTION)
September	
Oct/ Nov	Popular Movements in India & World
	(graphically representation)
	(SDG- 4 QUALITY EDUCATION)
November	
December	Usage of carbon Black in Printing Press
	(SAMPLE STUDY)/ ARTICLE
January	SDG 9
February	