

**ST. MARY'S SR. SEC. SCHOOL**  
**Syllabus Class- IX**  
**SESSION – 2022-2023**

**SUBJECT- HINDI**

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT
हिंदी , क्षितिज , व्याकरण , कृतिका	APRIL	दो बैलों की कथा	१. पशु पक्षियों पर चर्चा वाचन) कौशल पर आधारित (
	May	सखियाँ एवं सबद (कविता)	२. कविता पाठन वाचन ) कौशल पर आधारित (
		शब्द निर्माण) व्याकरण (	
	July	ल्हासा की ओर , बाख (कविता) , इस जल प्रलय में (कृतिका)	प्रेमचंद परियोजना ) कार्य (
	August	सवैये (कविता) , मेरे संग की औरतें (कृतिका) कैदी और कोकिला (कविता)	यात्रा वृत्तांतखण्ड) मीठे अनुभव लेखन कार्य (
	September	उपभोक्तावाद की संस्कृति समास	
	<b>OCTOBER</b>	<b>TERM-I</b>	
	November	सांवले सपनों की याद , ग्राम श्री (कविता) , रीढ़ की हड्डी (कृतिका)	भाषण वाचन ) कौशल पर आधारित (
	December	प्रेमचन्द के फटे जूते , मेघ आये (कविता) , अर्थ की द्रष्टि से वाक्य भेद (व्याकरण)	लघुकथावाचन ) कौशल पर आधारित (
	January	अलंकार (व्याकरण) , मेरे बचपन के दिन , बच्चे काम पर जा रहे हैं (कविता)	पर्यावरण प्रदूषण परियोजना) कार्य ( डायरी लेखन
	<b>FEBRUARY</b>	<b>TERM -II</b>	

**SUBJECT- ENGLISH**

Month	Literature & Supplementary	Grammar & Writing	Activity
April	1. The fun they had      2. The road not taken (Poem) 3. The lost child	Modals Application Writing	Gather information regarding Old Schools in ancient times
May	1.The sound of music 2. Wind (Poem) 3. The adventure of Toto (UNIT TEST – 1)	Determiners Diary entry	Make a project on any one musical instrument
July	1. The little girl 2. Rain on the roof (Poem) 3. Ishwaran the storyteller	Tenses Descriptive Paragraph	
August	1. A truly beautiful mind 2. The lake Isle of Innisfree(Poem) 3. In the kingdom of fools (UNIT TEST – 2)	Subject Verb-Concord Story Writing	Newspaper Clippings
September	The snake and the mirror (HALF YEARLY EXAMS)	Reported Speech *Commands *Requests *Statements *Questions	A.S.L
October	1.My childhood 2.A legend of Northland (Poem) 3. The happy prince	Modals Diary entry	
November	1. Reach for the top 2. No men are foreign (Poem) 3. The last leaf (UNIT TEST – 3)	Reported Speech	Write a descriptive paragraph on your idol(120-150 words)Paste pictures too.
December	1.Kathmandu 2. On Killing a tree (Poem) 3. A house is not a home	Tenses Story Writing	
January	1. If I were you 2. A slumber did my spirit seal (Poem) 3. The Beggar	Subject Verb- Concord	A.S.L
February	Revision & Annual Examination	_____	_____

**SUBJECT- MATHS**

Month	Chapter	Activity
April	1- Number System. 2- Polynomials.	# To draw a square root spiral and find out the square root of natural numbers. #Geometrical representation of factors of quadratic expression.
May	3- Coordinate geometry.  4- Linear equation in two variables	# To obtain the mirror image of a given geometrical figure with respect to x- axis and y- axis. # To study the effect of algebraic operation on linear equation in two variables graphically.
July	5- Euclid's Geometry. 6- Lines and angles.	# To verify Exterior angle property of triangle.
August	7- Triangles.	# Angles formed in the same segment are equal.
September	Revision and Extra questions.	
October	<b>Term -I Exam.</b>	
November	8- Quadrilateral. 9- Circles	# To explore the properties of diagonals of special types of quadrilateral. (Rectangle, square, parallelogram and rhombus).
December	10- Heron's formula 11- Surface area and volume.	# To obtain the formula for the surface area of a sphere.
January	12- Surface area and volume. <b>(continued)</b> 13- Statistics. Revision and extra questions.	# To draw the histogram for classes of equal length.
February	<b>Term – II Exam.</b>	

**SUBJECT- SCIENCE**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>PROJECTS/ ACTIVITIES</b>
April to May	Motion  Fundamental unit of life  Matter in our surrounding  Practical	<ul style="list-style-type: none"> <li>To plot graphs (uniform and non-uniform) for the data given in table 8.1 in NCERT book of chapter 8.</li> <li>To demonstrate Osmosis by soaking raisins in water.</li> <li>To determine the melting point of ice and boiling point of water.</li> </ul>
July	Force and laws of motion Tissue Is matter around us pure? Practical	<ul style="list-style-type: none"> <li>To demonstrate different laws of motion in the class by teacher.</li> <li>To study growth of onion root tip for Meristematic tissue.</li> <li>To obtain the different colours of ink using chromatography.</li> </ul>
August	Gravitation	
September	Revision	
<b>October</b>	<b>Term 1 exams begin</b>	
November	Floatation  Natural resources  Atoms and molecules  Practical	<ul style="list-style-type: none"> <li>To demonstrate buoyancy by daily life examples in class and also explain Archimedes principle through it.</li> <li>To prepare an assignment on natural resources.</li> <li>To calculate the molecular mass and formula mass of different molecules and compounds.</li> </ul>
December	Work, Energy and Power  Structure of the atom  Practical	<ul style="list-style-type: none"> <li>Discuss the various ways of energy conversion in our daily life.</li> <li>Prepare a model of “Bhor Model of an Atom”.</li> </ul>
January	Sound	<ul style="list-style-type: none"> <li>Make a list of different types of musical instruments and discuss which part of instrument vibrates to produce sound.</li> </ul>
<b>February</b>	<b>Term 2 Exam begin</b>	

**Subject: Social Science**

Month	Chapters	Activity/Project
<b>April</b>	1.India:Size And Location 2. What is Democracy? Why Democracy? 3.The Story of village Palampur	(Outline Political Map of India) <ul style="list-style-type: none"> <li>India: States with capitals, Tropic of Cancer, Standard Meridian</li> </ul>
<b>May</b>	1-The French revolution 2-Physical features of India Unit Test-I	(Outline Political Map of France) <ul style="list-style-type: none"> <li>Bordeaux, Nantes, Paris, Marseilles</li> </ul> Mountain Ranges- Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats Mountain Peaks- K2, Kanchanjunga, Anai Mudi Plateau- Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau Coastal Plains- Konkan, Malabar, Coromandal & Northern Circar
<b>July</b>	1-People as resource 2- Drainage 3- Constitutional Design	Rivers- The Himalyan River Systems- The Indus, The Ganges and the Satluj The Peninsular Rivers- The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi Lakes: Wular, Pulicat, Sambhar, Chilika
<b>August</b>	1-Socialism in Europe and Russian Revolution 2-Climate 3-Electoral Politics Unit Test-II	(Outline Political Map of World) <ul style="list-style-type: none"> <li>Major countries of first world war</li> </ul> Central Power- Germany, Austria-Hungary, Turkey (Ottoman Empire) Allied Power- France, England, Russia, U.S.A Areas receiving rainfall less than twenty centimetre and over four hundred centimetre
<b>September</b>	Revision Term-I	
<b>October</b>	1-Nazism and the rise of Hitler	<ul style="list-style-type: none"> <li>Axis Power- Germany, Italy, Japan</li> <li>Allied Power- U.K, France, Former USSR, U.S.A</li> </ul>
<b>November</b>	1-Poverty as a challenge 2-Working of Institution 3-Forest society and colonialism	
<b>December</b>	1-Natural vegetation and wildlife 2-Democratic rights 3-Food security in India	<ul style="list-style-type: none"> <li>Vegetation type- Tropical evergreen forest, Tropical deciduous forest, Thorn forest, Montane forest, Mangrove</li> <li>National Park- Corbett Park, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal and Manas</li> <li>Bird Sanctuaries- Bharatpur, Ranganthitto</li> <li>Wild Life Sanctuaries- Sariska, Madumalai, Rajaji, Dachigam</li> </ul>
<b>January</b>	1-Pastoralists in the modern world 2-Population	<ul style="list-style-type: none"> <li>The state having highest and lowest density of population</li> </ul>
<b>February</b>	Revision Term-II	