

ST. MARY'S ORTHODOX SCHOOL
SYLLABUS FOR SESSION-2022-2023

CLASS: IX

ENGLISH LANGUAGE:				
S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL- MAY	I UNIT TEST	1. Notice Writing 2. Active and Passive Voice 3. Subject Verb Agreement 4. Descriptive Composition	<ul style="list-style-type: none"> Practice of notice writing Practice of writing composition
2.	JUNE- AUGUST	HALF YEARLY	Composition-Argumentative, Picture Composition, Story Writing Narrative Composition, Letter-Formal and Informal Notice & E-mail Writing, Comprehension Functional Grammar: Active/Passive Prepositions Tenses And Their Uses Comparison of Adjectives Conditional Sentences Transformation Letter Writing Direct/ Indirect Speech +Complete UT I Syllabus	<ul style="list-style-type: none"> Worksheet on the given topics (Grammar). Oral and Aural Practice. Practice of Comprehension.
3.	SEPTEMBER- NOVEMBER	II UNIT TEST	Letter-Formal and Informal Notice & E-mail Writing Functional Grammar:	<ul style="list-style-type: none"> Listening and speaking skills
4.	DECEMBER- JANUARY	ANNUAL EXAM	Complete syllabus	<ul style="list-style-type: none"> Revision worksheets

ENGLISH LITERATURE

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Prose: 1. Old Man at the Bridge Poem: The Cold Within.	<ul style="list-style-type: none"> Summary of the chapter/poem.
2.	JUNE-AUGUST	HALF YEARLY	Play: Act I – Act II Scene I to III Prose: The Old Man at the Bridge A Horse and two Goats Hearts and Hands A Face in the Dark Poem: The Heart of the Tree The Bangle Sellers After Blenheim Television	Critical appreciation of the poems.
3.	SEPTEMBER- NOVEMBER	II UNIT TEST	Play: Act II Scene IV to VII Prose: A Horse and Two Goats Poem: Heart of a Tree	<ul style="list-style-type: none"> Suggested Assignments

			Daffodils	
4.	DECEMBER-JANUARY	ANNUAL EXAM	Plat: Act II to Act III Scene I Prose: Chief Seattle's Speech The Old Man At The Bridge A Horse and two Goats Poem: Heart of the Tree After Blenheim Television Daffodils	<ul style="list-style-type: none"> Discuss plots and Theme of The Merchant of Venice

HINDI

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL- MAY	I UNIT TEST	पुस्तक-साहित्य सागर। सरस हिंदी व्याकरण। साहित्य सागर-पाठ- बात अठन्नी की। कविता साखी व्याकरण- पर्यायवाची शब्द, भाववाचक संज्ञा, मुहावरे, विलोम शब्द, विशेषण बनाना, वाक्य परिवर्तन, शब्द शुद्धीकरण।	परियोजना कार्य फाइल बनाए।
2.	JUNE-AUG	HALF YEARLY	साहित्य सागर- कविता- (1, 2, 3) साखी, गिरिधर की कुंडलियाँ, स्वर्ग बना सकते हैं साहित्य सागर-कहानियाँ पाठ-(1, 2, 3)- बात अठन्नी की, काकी, महायज्ञ का पुरस्कार। व्याकरण-निबंध, कहानियाँ, चित्र वर्णन, पत्र, अपठित गद्यांश, मुहावरे, पर्यायवाची शब्द, विलोम शब्द, भाववाचक संज्ञा, विशेषण बनाना, वाक्य परिवर्तन, शब्द शुद्धीकरण, अनेक के लिए एक शब्द, लिंग, वचन।	परियोजना कार्य हिन्दी दिवस पर आधारित लेख।
3.	SEP-NOV	II UNIT TEST	साहित्य सागर- कविता- वह जन्मभूमि मेरी, साहित्य सागर-कहानी -नेता जी का चश्मा, व्याकरण- पत्र, अपठित गद्यांश	परियोजना कार्य किसी ऐतिहासिक स्थल पर आधारित लेख।
4.	DEC -FEB	ANNUAL EXAM	साहित्य सागर- कविता-(1,2,3,4,5)वह जन्मभूमि मेरी, गिरिधर की कुंडलियाँ, स्वर्ग बना सकते हैं, मेघ आए, साखी। साहित्य सागर-कहानियाँ -(1,2,3,4,5) अपना-अपना भाग्य, नेता जी का चश्मा, महायज्ञ का पुरस्कार, काकी, बात अठन्नी की। व्याकरण- निबंध, कहानियाँ, चित्र वर्णन, पत्र, अपठित गद्यांश, मुहावरे, पर्यायवाची शब्द, विलोम शब्द, भाववाचक संज्ञा, विशेषण बनाना, वाक्य परिवर्तन, शब्द शुद्धीकरण, अनेक के लिए एक शब्द, लिंग, वचन।	परियोजना कार्य किसी एक पौराणिक स्थल पर आधारित लेख।

MATHEMATICS:				
S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TET	1. Compound Interest, 2. Expansions 3..Factorisation	Conduct a survey of a group of students and represent it graphically- height, weight, number of family members, Pocket money ,etc.(file-work)
2.	JUNE-AUGUST	HALF YEARLY	4..Rational and Irrational Numbers, 5. Simultaneous Linear Equations, 6.Problems on Simultaneous Linear equations 7. Quadratic Equations. 8. Indices 9.Triangles 10.Trigonometric Ratios, 11.T-ratios of Standard Angles, 12.Statistics	Study ways of raising loan to buy a car or house, e.g. bank loan or purchase a refrigerator or a television set through hire purchase(file-work)
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	13.Triangles 14.Trigonometric Ratios, 15.T-ratios of Standard Angles, 16.Statistics 17. Co-ordinate geometry	Cutting a circle into equal sections of a small central angle to find the area of a circle by using formula $A=nr^2$ (file-work)
4.	DECEMBER- JAN.	ANNUAL EXAM	18.MidPoint Theorem, 19.PythagorusTheorem, 20.RectilinearFigures 21.Mensuration 22.Circle (Complete Syllabus)	To use flat cutouts to form a cube, cuboids and pyramids to obtain formulae for volume and Total surface area
PHYSICS				
S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL- MAY	I UNIT TEST	1. Measurement and Experimentation 2. Motion in one Dimensions	Practical's based on verniers calipers and screw gauge Practical's based on simple pendulum
2.	JUNE– AUG	HALF YEARLY	3. Laws of Motion. 4. Pressure in fluids and atmospheric pressure 5. Up thrust in fluids , Archimedes principal and floatation	Project file on the topic given by teacher. Model based on: i) Motion ii) Pascal's law.
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	6.Heat and Energy 7.Reflection of Light 8.Propagation of sound 9.Current Electricity	Practical showing reflection of light Using Plane Mirror.
4.	DECEMBER-JAN.	ANNUAL EXAM	10.Magnetism Complete Syllabus	i) Practical showing path of Magnetic field lines ii) Showing ammeter, voltmeter ,battery and connecting wiring a circuit Model based on: i) Magnetism ii) Heat

CHEMISTRY

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	IUNIT TEST	Ch-1.The language of chemistry	Identification of gases.
2.	JUNE -AUG	HALF YEARLY	Ch-2.Chemical changes and reactions Ch-3.Water C4.Atomic structure and chemical bonding Ch-8.Atmospheric Pollution +I st U.T	Make project on topic given by teacher, Flametest,Heating of compounds
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	Ch-5Periodictable Ch-6. Study of the first element-Hydrogen Ch-7.Study of gas laws +Half Yearly+IUnit	Heating of compounds, Action of dil.H ₂ SO ₄ on the compounds.
4.	DECEMBER-FEB.	ANNUAL EXAM	Complete Syllabus	Identification of gases

BIOLOGY:

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	IUNIT TEST	CH-1 Introducing biology CH-2.Cell:The unit of life. CH-3.Tissue:-Plant and Animal tissues	1.The examination of an onion peel Under the microscope to study Plant cell.
2.	JUNE-AUGUST	HALF YEARLY	CH-4.The flower. CH-5.Pollination and Fertilization. CH-6.Seed–Structure and germination. CH-7.Respiration in plants CH-8 Five kingdom classification CH-9.Economic importance of bacteria and fungi. CH-10.Nutrition. +I-UT.	2.To show the different part of bisexual flower (china rose) by dissecting it. 3.To study the external and internal Structure of monocot and dicot Seed with the help of the bean Seed and maize grain. 4.Lime water experiment to show the presence of carbondioxide.
3.	SEP- NOV	II UNIT TEST	CH-11. Digestive System. CH-12.Skeleton- Movement and locomotion. CH-13 Skin“The jack of all trades“ File Evaluation+Projectwork	5. (a) Identification and examination of specimens of non chordate. 5.(b)Identification and examination of specimens of chordates.
4.	DECEMBER-FEB.	ANNUAL EXAM	CH-14.The respiratory system. CH- 15 Hygiene Ch-16 Diseases CH-17Aids to Health CH-18 Health Organization Ch-19 Waste Generation and Management +I-UT+CompleteSyllabus	6. To Study the human skeleton.(Different bones and their functions) 7.To explain the structure of lungs and skin with the help of chart /model. 8. To explain the structure of digestive system with the help of chart/model. 9.Identification of sugar ,starch ,protein ,and fat by conducting relevant test.

COMPUTER APPLICATIONS				
S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Ch-1 Introduction to Object Oriented Programming Language Ch-2 Introduction to Java Ch-3 Elementary Concepts of Objects and Classes	Write the given programming assignments in Lab Manual related to covered topics.
2.	JUNE–AUG	HALF YEARLY	Ch-4 Values and Data Types Ch-5 Operators in Java Ch-7 Input in Java Ch-8 Mathematical Library Methods Ch-9 Conditional Constructs in Java syllabus of Unit Test-I	Write the given programming assignments in Lab Manual related to covered topics.
3.	SEP-NOV	II UNIT TEST	Lab Manual Evaluation/ Internal Assessment Ch-9 Iterative Constructs in Java	
4.	DEC- FEB.	ANNUAL EXAM	Ch-10: Iterative Constructs in Java Ch-11 Nested Iteration in Java Ch-12 Computing and Ethics Half yearly syllabus (Complete Syllabus)	Write the given programming assignments in Lab Manual related to covered topics.

PHYSICAL EDUCATION

S.No.	MONTHS	TEST/EXAM	CHAPTERS(CLASSIX)	ACTIVITY/PROECT
1.	APRIL-MAY	I UNIT TEST	(Sec-A) Ch-1-The Human Anatomy and Physiology	Practical assessment and cricket project
2.	JUNE - AUGUST	HALF YEARLY	(Sec-A) Ch-2-Muscular System Ch-3-Respiratory System (Sec-B) Ch-1-Cricket laws	Practical assessment and football project
3.	SEP- NOV	II UNIT TEST	(Sec-A) Ch-4-CirculatorySystem Ch-5- Games and Sports	Physical Efficiency Test
4.	DEC- FEB.	ANNUAL EXAM	(SEC –A) Complete syllabus (SEC- B) Ch-1-Cricket laws Ch-2–Football laws	Practical assessment, Viva and Physical test

HISTORY/CIVICS

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	1.Our Constitution & its salient features 1.The Harappan Civilization	Make file on given topics : Details of any two monuments, Fundamentals Rights & duties & DPSP
2.	JUNE-AUGUST	HALF YEARLY	2. Early Vedic Age 3. The later Vedic Age 2.Fundamental Rights, fundamental duties & DPSP 4. Indian the 6 th Century B.C .rise of Jainism & Buddhism	Oral & Written class tests, UN Day Celebration Constitution Day Celebration, Oral & Written class tests,

			5 The Mauryan Empire 6. The Sangam Age 7.The Age of the Guptas +First Unit Test Syllabus	To collect the information and write in class work register: *literary work of Renaissance age
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	3.Election & The Election Commission 8. South India & The Cholas 9. The Delhi Sultanate	*Development in field of science
2.	DECEMBER-FEBRUARY	ANNUAL	10. The Mughal Empire 4. Local Self Government: Rural Local Institutions 5. Local Self Government:-Urban Local Institutions 11. The Composite Culture 12. The Renaissance 13. The Reformation 14. Industrial Revolution & Capitalism & Socialism + Complete Syllabus	

GEOGRAPHY

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Ch 1-The Earth as a Planet; CH 2-Geographic Grid; CH- 3-Rotation and Revolution of the Earth	Make file on given topics- 1.Volcanoes,Equinoxes and Solstices or 2.Natural Regions of the World
2.	JUNE-AUGUST	HALF YEARLY	CH-4-Structure of the Earth Ch 5- Landforms of the Earth; CH-6-Rocks CH-7 Volcanoes CH-8-Earthquakes CH-9-Weathering and Denudation CH-10-Hydrosphere Tides and Ocean current	Oral and written class tests, discussion on related topics i.e.: Rocks Earthquake etc. Atlas activities. Oral and written class tests. Activities related to Pressure Belt on World Map. Oral and written class tests. A Summary of pollution-causes & effect in class work register
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	CH-11- The Atmosphere CH-12- The Isolation CH-13-Pressure belts and Types of Winds	Oral & written revision
4.	DECEMBER-FEB.	ANNUAL EXAM	CH-14-Humidity CH-15-Pollution and its sources CH-16-Effectofpollution CH-17-Preventive measures of pollution Ch-18- Natural regions of the world-I CH-19-Natural regions of the world-II	Model test papers solution

			CH- 20-Natural regions of the world-III + Complete syllabus. +Map work and Topo sheet	
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SUPW

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-OCTOBER		Ch-1 Food (Medicinal plants i.e. tulsi ,mint, Neem etc.) Ch-2 Fashion Designing Ch-3 Health and Hygiene	Make a file on medicinal plants. Plantation of medicinal Plants Needle Work
2.	NOVEMBER	INTERNAL ASSESSMENT	Project work	

ENVIRONMENTAL SCIENCE

S. NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	CH1. Understanding our environment CH.2.Living things in ecosystems	To study the views of Nobel Laureat Amartya Sen on social sustainability.
2.	JUNE-AUGUST	HALF YEARLY	CH.3.How ecosystems work CH.4 Kinds of ecosystem CH.5Water	To discuss the components of an ecosystem. To make a model of ecosystem. Rain water harvesting.
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	CH.6 Air CH.7 Atmosphere and Climate	To study the bio geographic zones of India. Air pollution can be very dangerous.. With the help of Bhopal Gas Tragedy Justify this statement.
4.	DECEMBER-FEB.	ANNUAL EXAM	CH.8 Soil and Land CH.9 People CH.10 Urbanisation CH.11 Agriculture + CH.1to7 COMPLETE SYLLABUS	Make a report on problem of urbanization.

COMMERCIAL STUDIES

S.NO	MONTHS	TEST\EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	FIRST UNIT TEST	Ch-1Commercial and Non Commercial Activities Ch2.Business Activities	Study the business enterprises in the local city and classify them into industrial and commercial categories.

2	JUNE-AUG	HALF YEARLY	Ch3.Profit and non profit organizations Ch4.Classification of commercial organizations Ch5.Sole Proprietorship and Hindu undivided family Ch6..Partnership Ch 7. Joint Stock Company Ch 8 .Co operative Society Ch 9 .Public sector enterprises Ch 10.Marketing and Sales (along with unit test 1)	Survey the origin and growth of a sole proprietorship in the city
3	SEPTEMBER-NOVEMBER	SECOND UNIT TEST	Ch 11 Finance and Accounts Ch 12 Human Resources Ch 13 Production	
4	DECEMBER-FEBURARY	ANNUAL	CH 1 TO 24 Complete Syllabus	

ECONOMICS

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Ch -1 Introduction to Economics Ch-2 Basic concepts of Economics First U T Syllabus	<ul style="list-style-type: none"> • A case study on the effects of industrial pollution. • Conduct a research on the local economy using any one parameter, for example, education ,health, Employment and soon.
2.	JUNE-AUGUST	HALF YEARLY	Ch-3Types of economics. Ch.4 Basic problems of an economy. Ch-5 Primary Sector: Agriculture Ch -6 Secondary Sector Industry Ch-7 Tertiary Sector Ch-8 Poverty in India	<ul style="list-style-type: none"> • Conduct a research on any industry and study how the output has been impacted post liberalization and globalization
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	Ch-9 Problem of Unemployment in India Ch-10 Major Reforms and Emerging Trends in the Indian Economy	<ul style="list-style-type: none"> • .Analysis any recent government scheme in context to the infrastructural development in the country. • Visit a small scale or cottage industry and write a report on the basis of the techniques of production Being used.
4.	DECEMBER-FEBRUARY	ANNUAL EXAM	Revision of Complete Syllabus	<ul style="list-style-type: none"> • Internals in process

ART

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	1. Elements of Art (Page No.5 to 9) 2. Still life (Page No.17 and 18)	<ul style="list-style-type: none"> • Practice of still life.

2.	JUNE-AUGUST	HALF YEARLY	<ol style="list-style-type: none"> 1. Still Life (Page No.10 to 16) 2. Nature Study (Page No. 17,18,19) 3. Landscape (Page No. 20 to 23) 	<ul style="list-style-type: none"> • Practice of painting from nature.
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	<ol style="list-style-type: none"> 1. Landscape (Page No.23 Oil Pastels colour and water colour) 2. Still Life (Oil Pastels colour) 	<ul style="list-style-type: none"> • Project work
4.	DECEMBER-FEBRUARY	ANNUAL EXAM	<ol style="list-style-type: none"> 1. Landscape (Nature Study) 2. Still Life (Any five objects with oil colour) 3. Sketching file note books(Page No. 45 to 49) 4. Paintings of any waste material (Ready Any Two Painting) 5. ADD (I & II) unit test also . 	<ul style="list-style-type: none"> • Practice of sketching and file work.