

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

**CLASS: X**

<b>ENGLISH LANGUAGE:</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST/EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY/PROJECT</b>
1.	APRIL-MAY	I UNIT TEST	1. Subject Verb Agreement 2. Notice-writing & E-mail Writing 1. Direct/Indirect Speech 3. Active/Passive Voice 4. Composition- Argumentative, Narrative,	1. Worksheets on the given topics Functional). 2. Comprehension and composition practice
2.	JUNE - AUGUST	HALF YEARLY	2. Letter- Formal and Informal 3. Comprehension 4. Synthesis of Sentences 5. Prepositions 6. Tenses And Their Uses 7. Comparison of Adjectives 8. Conditional Sentences 9. Sequence of Tenses 10. Letter Writing 11. Composition- Argumentative, Narrative, Descriptive, 12. Picture, Story Writing 13. Transformation of the sentences + Complete UT I + II Syllabus	1. Worksheet on the given topics (Grammar). 2. Oral and Aural Practice. 3. Practice of Comprehension.
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Complete Syllabus + Revision	Practice of Revision Worksheets
4.	DECEMBER - JANUARY	PRE BOARD 2	Complete Syllabus + Revision	Practice of Revision Worksheets
<b>ENGLISH LITERATURE:</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST/EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY/PROJECT</b>
1.	APRIL-MAY	I UNIT TEST	Prose: An Angel in Disguise Poem: I know why the Caged Bird Sings	1. Summary of the chapter/poem.
2.	JUNE - AUGUST	HALF YEARLY	Play: Act III Scene I to Act IV Prose : The Little Match Girl My greatest Olympic prize The Blue Bead Poem: The Patriot Abou Ben Adhem Nine Gold Medals + I UT Syllabus	1. Critical Appreciation of the poems.
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Poem: Complete syllabus Prose: All Summer in a Day + COMPLETE SYLLABUS Play: Act V + COMPLETE SYLLABUS	1. Suggested Assignments
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Play: Complete play. Prose: complete Syllabus Poem: Complete syllabus	1. Discuss plots and theme on Merchant of Venice

**MATHEMATICS:**

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	1. Factorization 2. Banking(R.D.) 3. Linear In equations 4. Matrices 5. Quadratic Equations in one variable	
2.	JUNE - AUGUST	HALF YEARLY	6. G.S.T. 7. Ratio & Proportion 8. Matrices 9. Measures of Central Tendency 10. Probability 11. Arithmetic Progression 12. Reflection 13. Section formula 14. Equation of Straight Line 15. Mensuration 16. Trigonometric Identities 17. Trigonometrical Tables 18. Heights & Distances	Revise U.T-1 chapters + Surveys of various types of bank accounts and rate interest offered(file-work)
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	19. Similarity 20. Circles 21. Constructions (circles) COMPLETE SYLLABUS	Revise the syllabus + To use a newspaper to study and report on shares & dividends (file- work)
4.	DECEMBER - FEBRUARY	PRE BOARD 2	COMPLETE SYLLABUS	Revise complete syllabus + study various types of "cryptarithm" (file-work)

**PHYSICS**

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	1. Force 2. Work power and energy	June – project file on the topic given by teacher: force, machines, sound etc.
2.	JUNE - AUGUST	HALF YEARLY	3. Machines 4. Refraction of light at plane surface. 5. Refraction through a lens 6. Spectrum 7. sound 8. Current electricity.	Practical's based on moment of force Activity i) find the angle of deviation by the prism.
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	9. House hold circuits 10. Electromagnetism 11. Calorimetry 12. Radioactivity  COMPLETE SYLLABUS	Practical's based on ray optics and inclined plane Activity :i) show angle of incident equal to the angle of emergence. Science Quiz
4.	DECEMBER – FEBRUARY	PRE BOARD 2	COMPLETE SYLLABUS Remedial Classes, Feedback of Pre Board II	Sample paper practice PRACTICE SAMPLE PAPERS

**CHEMISTRY:**

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Ch-1.Periodic table, Periodic properties and variations of properties Ch-2 Chemical bonding	Identification of gases.
2.	JUNE-AUGUST	HALF YEARLY	Ch-5 Mole concept and Stoichiometry Ch-8 Hydrogen chloride Ch-3 Acid,bases and salts Ch-9 Ammonia Ch-10NitricAcid Ch-11 Sulphuric acid Ch-12 Organic chemistry +I <sup>st</sup> U.Ts	Make project on topic given by teacher, Identification of ions
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch:7 Metallurgy Ch:4 Analytical chemistry Ch:6 Electrolysis	Action of heat on the compounds, Action of conc. HCl on the given compound
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete syllabus + complete revision Remedial Classes, Feedback of Pre Board II	To determine whether solution is acidic or basic

**BIOLOGY:**

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	CH-1. Cell-The structure and functional unit of Life (forrevision only) CH-2Structure of chromosomes, cell cycle and cell division. CH-3. Genetics-Some basic fundamentals.	1. To show different stages of celldivision with the help of microscope.
2.	JUNE-AUGUST	HALF YEARLY	CH-4.Absorption by roots:-The process involved. CH-5. Transpiration. CH-6. Photosynthesis:-Provide food to all. CH-7.Chemical Coordination in plants CH-8. Circulatory system.  + UNIT 1 Syllabus	2. To show process of osmosis with the help of potato osmoscope. 3. To show the necessity of light,carbon dioxide and chlorophyll essential for photosynthesis 4.Identification of circulatory system with the help of model and e- Classes. 5. To show the O <sub>2</sub> evolved during the process of photosynthesis. (With the help of Hydrilla plant). 6.Identification of structure of urinary system and brain through models and charts. 7.Identification and location of selected endocrine glands..
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	CH-9.Excretory system. CH-10. The nervous system. CH-11.Sense organ. CH-12.The endocrine system. CH-13The reproductive system. CH-14Human Evolution Ch.15 Population Ch.16 Pollution + I- UT.+ Complete Syllabus  Complete syllabus +PROJECT WORK	
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete syllabus Remedial Classes, Feedback of Pre Board II (Complete syllabus)	-----

**COMPUTER APPLICATIONS**

S.NO	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL- MAY	I UNIT TEST	REVISION TOUR(Revision of CLASSIX Syllabus) Ch 1: Object Oriented Programming Concepts. Ch 2: Introduction to Java Ch3:Values and Data Types Ch 4 : Operators in Java	Write the given programming assignments in Lab Manual related to covered topics.
2.	JUNE - AUGUST	HALF YEARLY	Ch5: User Defined Methods Ch 6 Inputs in Java Ch 7 Mathematical Library Methods Ch8Conditional Constructs in Java Ch 9 Iterative Constructs in Java Ch10 Nested Loops Ch 11 Constructors Ch 12 Library classes Ch 13 Encapsulation and Inheritance Ch 14 Arrays	Write the given programming assignments in Lab Manual related to covered topics.
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch15 String Handling  Complete Syllabus	Write the given programming assignments in Lab Manual related to covered topics.
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete Syllabus Evaluation of programming assignments done throughout the year Remedial Classes, Feedback of Pre Board II	

**PHYSICAL EDUCATION**

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	(Section-A) Ch-1- Human Growth and Development Ch-2- Physical Education Ch-3- Body Types (Section-B) Ch-1- Cricket laws	Practical assessment and cricket project
2.	JUNE - AUGUST	HALF YEARLY	(Section-A) Ch-4- Physical Fitness Ch-5- Sports Training Ch-6- Safety in Sports +UT -1 (Section-B) Ch-2- Football laws	Practical assessment and football project
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch-7 Health Education Ch-8 Careers in P.Ed + (Complete Syllabus)	Physical Efficiency Test
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete Syllabus Remedial Classes + Sample Papers + Revision	Practical assessment, Viva and Physical test

<b>GEOGRAPHY</b>				
<b>S.NO.</b>	<b>MONTHS</b>	<b>TEST/EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY/PROJECT</b>
1.	APRIL-MAY	I UNIT TEST	Ch.7 Climate Ch.8 Soil Resources	Make a File on any one of the topic given in the Holiday Homework.
2.	JUNE - AUGUST	HALF YEARLY	Ch. 1- 5 Interpretation of topographical Map Ch. 9 Natural Vegetation Ch.10 Water Resources Ch.11 Minerals & Energy Resources Ch.12 a. Agriculture – I (Food Crop) b. Agriculture- II (Cash Crop) Ch. 13 a. Manufacturing Industries (Agro based Industries) b. (Mineral based Industries )	Written and Oral Question Answer Practice
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch.14 Transport Ch.15 Waste Management +toposheet and map of India+ Complete Syllabus	Oral &Written Revision
4.	DECEMBER- FEBRUARY	PRE BOARD 2	Complete syllabus Complete Syllabus, Remedial Classes & Revision	Board Question Paper Practice.
<b>History Civics</b>				
<b>S.NO.</b>	<b>MONTHS</b>	<b>TEST/EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY/PROJECT</b>
1.	APRIL-MAY	I UNIT TEST	Ch-1 .The first war of Independence 1857 Ch-1 .The Union Legislature	Make file on any topic given in Holiday Homework.
2.	JUNE - AUGUST	HALF YEARLY	<b>History</b> Ch.2 .Factors promoting growthof Nationalism, foundation of INC Ch.11. The first World War Ch.3. First phase of the Indian National Movement (1885-1907) Ch. 4 (a).Second Phase of the Indian National Movement (1905-1916) Ch.5. Factors Leading to the formationof the Muslim league. Ch.6 National Movement during the First World War Lucknow Pact Ch.12.Rise of Dictatorship Ch.13. The Second World War Ch.14. UNO : Origin objectives & Principle Organs Ch.15. Major agencies of the UN Ch.16. The Non Alignment Movement <b>Civics:</b> Ch.2. The Union Executive : The President Ch.3 .The Prime Minister Cabinet & Council of Ministers. Ch. 4.The Supreme Court Ch.5. The State Judiciary –The High Courts Ch.6. The Subordinate Courts	Written and Oral Question Answer Practice  U N Day Celebration  Board Question Paper Practice
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch.7 National Movement Ch.8 The Cripps Mission & The Quit	Oral &Written Revision

			India Movement Ch.9 Subhash Chandra Bose, forward bloc & INA Ch.10 Independence and the partition of India + Complete Syllabus.	
4.	DECEMBER- FEBRUARY	PRE BOARD 2	Complete Syllabus, Remedial Classes & Revisions	Board Question Paper Practice.

### 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 Construction and distribution of garbage bins in nearby Locality for separate Disposal of Bio degradable non –Bio degradable. Best out of waste.
2.	NOVEMBER	Internal Assessment	Project work	

### ENVIRONMENTAL SCIENCE

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL -MAY	I UNIT TEST	CH.1 Controlling Air Pollution CH.2 Addressing Population	1 Case study of Taj Trapezium
2.	JULY - AUGUST	HALF YEARLY	CH.3 Managing The Urban Environment CH.4. Managing Soil And Land CH.5 Food	2.Report on UN,s population Projection 2050
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch-6 Biodiversity CH.7 Energy CH.8 Waste CH.9 Environment And Development Ch.10 Towards A Sustainable Future + Ch.1 to5	3. Case study of Bhopal Gas tragedy 4. Group discussion on various technique for sustainable agriculture
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete syllabus+ Revision For Pre Board –II Remedial Classes , Feedback Of Pre Board –II( Complete syllabus)	5. Make a field study of the effect of human interaction on the natural environment and write a project report on the likely impact of the interaction on the global environment.

## COMMERCIAL STUDIES

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	I UNIT TEST	Ch-1 Stake Holder in Commercial Origination  Ch-2 Marketing and Sales (Marketing, Product & Service and Pricing)	From the daily newspaper which your family buys, select ten different advertisements. Compare each of them with the essentials of a good advertisement. Note down how many requirements are fulfilled by each advertisement. Is the advertisement which fulfills the maximum number of requirements the most popular/effective?
2.	JUNE-AUGUST	HALF YEARLY	Ch-3 Adverting and Sales Promotion Ch-4 Consumer Protection Ch-5 E-Commerce Ch-6 Capital and Revenue Expenditure/ Income Ch-7 Final Account of a Sole Proprietorship Ch-8 Fundamental Concepts of Cost Ch-9 Budgeting Ch-10 Sources of Finance Ch-11 Recruitment, selection and Training	
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	Ch-12 Industrial Relations, Trade Unions & Social security Ch-13 Logistics & Insurance Ch-14 Banking (Central Bank, Internet Banking and Financial Fraudulent practices) Ch-15 Striving for a Better Environment + Half Yearly + First UT Syllabus	A large business house has several factories which produce fast moving consumer goods. It has its own fleet of trucks and ware houses in different parts of the Country. The business house wants to reduce the time and costs involved in the distribution of its product among retailers. Advise the house.  Meet the owner/manager of a business firm selling some service. Enquire from him the unique characteristics of the service sold. What special problems the firm is facing because it is selling a service rather than a product? On the basis of your discussion what conclusion do you form? Is selling a service more difficult than selling a product?
4.	DECEMBER-FEBRUARY	PRE BOARD 2	Complete Syllabus +Revision for preboard II & Project Assessment	

## ECONOMICS

S.NO	MONTHS	TEST/EXAM	CHAPTERS (No. as per chapters in the book)	ACTIVITY/PROJECT
1.	APRIL-MAY	UNIT TEST -1	1 Factors of Production 2 Elementary theory of Demand Syllabus of UT-I	A visit to a local industrial unit and analyse the combination of the factors of production being used in the production process.

2.	JUNE-AUGUST	HALF YEARLY	3 Elasticity of Demand 4 Theory of Supply. 5 meaning and Types of Market 6 Meaning and Function of Money 7 Commercial Banks 8 Central Bank 9 Introduction to Public Finance 10 Public Revenue 11. Public Expenditure 12. Public debt 13. Inflation 14. Consumer Awareness  + Half Yearly + First UT Syllabus	Survey 15 People from your neighborhood about the type of taxes they pay. From your survey conclude which type of tax is easier to pay and why
3.	SEPTEMBER - NOVEMBER	PRE BOARD 1	Complete Syllabus	Visit a nearby store select 5 items of regular consumption. Study the following :- Impact of GST on these 5 products, how this has impacted benefited the producer, consumer and the government.
4	DECEMBER - FEBRUARY	PRE BOARD 2	Complete Syllabus +Revision for PreBoard II & Project Assessment	

### ART

S.NO.	MONTHS	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL -MAY	UNIT TEST - 1	1. Concept of Art -page no. 8 &9 2. Elements of Art -page no. 10 3. Principles of Art - page no. 19 - 23 4. Study of still life - page no. 34, 35 &41	
2.	JUNE - AUGUST	HALF YEARLY	1. Study of Still Life Page no. 42 &44 2. Study of Landscape page no. 58 & 59 3. Painting from any waste material (ready 2 Painting ) 4. Sketching, file, notebook 5. Block Painting & Tie and die (4 types of Tie and die)  + I UT Syllabus	
3.	SEPTEMBER - NOVEMBER	PREBOARD 1	1 Study of still life page no. 36,37,38 & 39 Study of Landscape (Nature Study)- page no. 46,48,49,& 54 Still Life - (Oil Pastel Colours) Landscape - Water & Oil Colour Perspective Drawing + UT1 & Half Yearly	1. Assignments on the given topics. 2. Sketching, file, notebook 3. 2 Paintings from any waste material 4. Project file of tie and dye work
4.	DECEMBER - FEBRUARY	PRE BOARD 2	Complete Syllabus	

### HINDI

S.NO.	MONTH	TEST/EXAM	CHAPTERS	Activity / Project
1	APRIL- MAY	UNIT TEST	पुस्तक-साहित्य सागर। सरस हिंदी व्याकरण। साहित्य सागर-पाठ-बड़े घर की बेटी, संदेह। व्याकरण-मुहावरे, पर्यायवाची शब्द, विलोम शब्द, भाववाचक संज्ञा, विशेषण बनाना, वाक्य परिवर्तन।	परियोजना कार्य। व्याकरण भाग निबंध-कोरोना काल में छात्रों को शिक्षा से जोड़े रखने के लिए हर विद्यार्थी के हाथ में मोबाइल फोन आ गया है। यह मोबाइल फोन किस प्रकार उनके समय



				और शक्ति को नष्ट कर रहा है। इसकी वजह से भविष्य में छात्रों को कौन-कौन से दुष्परिणामों का सामना करना पड़ेगा।
2.	JUNE-AUGUST	HALF YEARLY	साहित्य सागर- कविता-सूर के पद , विनय के पद, चलना हमारा काम है, साखी ,स्वर्ग बना सकते हैं, वह जन्म भूमि मेरी, गिरिधर की कुंडलियाँ , मेघ आए,मातृ-मंदिर की ओर,भिक्षुक। कविताएँ-1से 10 साहित्य सागर-कहानियाँ-भेड़ और भेड़िए, दो कलाकार,बड़े घर की बेटा ,बात अठन्नी की ,काकी,महायज्ञ का पुरस्कार ,नेता जी का चश्मा,भीड़ में खोया आदमी, संदेह,अपना-अपना भाग्य । पाठ-1से 10 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।	चित्र वर्णन-पर्वतीय स्थल का चित्र। साहित्य भाग चित्र सहित लीलाधर शर्मा पर्वतीय का परिचय। भीड़ में खोया आदमी पाठ का सारांश। पाठ का संदेश। चित्र सहित शिवमंगल सिंह सुमन का परिचय। चलना हमारा काम है कविता । कविता का संदेश।
3.	SEPTEMBER-NOVEMBER	PRE BOARD-I	संपूर्ण पाठ्यक्रम।	
4.	DECEMBER-FEBRUARY	Pre Board-II	संपूर्ण पाठ्यक्रम।	