

ST. MARY'S CONVENT HIGH SCHOOL
YEARLY SYLLABUS OF CLASS 8 (2024- 2025)

PHYSICS

UNIT 1:- Matter, Physical Quantities and Measurement (*Density of Solids*)

HALF YEARLY:- Matter, Physical Quantities and Measurement, Force and Pressure and Energy

VIVA:- Force and Pressure

UNIT 2:- Light Energy and Heat Transfer

FINAL TERM:- Matter, Physical Quantities and Measurement, Force and Pressure, Energy, Light Energy, Heat Transfer, Sound and Electricity

FASHION DESIGNING

UNIT 1:- Introduction to fashion, national and international designers.

HALF YEARLY :- Introduction to fashion, national and international designers, colour harmony.

Practical- block figure, colouring, knitting.

UNIT 2- Trims, Care of clothes.

FINAL TERM- Introduction to fashion, national and international designers, colour harmony, Trims, Care of clothes. **Practical-** illustration, muffler knitting.

ART

FIRST UNIT: Chapter-1 Page nos. 5 to 13 & Work done in the Sketchbook.

Project:- Greeting Card.

HALF YEARLY: Chapter-2 & 3 Page nos. 14 to 33 and Work done in the Sketchbook .

SECOND UNIT: Chapter-4 Page nos. 34 to 64 and Work done in the Sketchbook.

FINAL EXAM: Chapter-5 & 6 Page nos. 65 to 68 and Work done in the Sketchbook.

CHEMISTRY

FIRST TERM

FIRST UNIT TEST Chr-1 Matter and its Composition Ch-5 Language of Chemistry

VIVA Ch -2 Physical and Chemical Changes Ch – Language of Chemistry

HALF YEARLY EXAMINATION

Ch-1 Matter and its Composition Ch-2 Physical and Chemical Changes

Ch-3 Elements, Compounds and Mixtures Ch-4 Atomic StructureCh-5 Language of Chemistry

SECOND TERM

SECOND UNIT TESTCh-6 Chemical ReactionsCh-7 Hydrogen

FINAL EXAMINATION-Ch-1 Matter and its Composition Ch -2 Physical and Chemical Changes

Ch - 3 Elements, Compounds and Mixtures Ch -4 Atomic Structure Ch -5 Language of Chemistry

Ch -6 Chemical Reactions Ch -7 Hydrogen Ch -8 WaterCh -9 Carbon and its CompoundsCh-10
Oxides of Carbon

VALUE EDUCATION

FIRST TERM

1. Accepting My True Self
2. Building Emotional Intelligence
3. Understanding the World
4. Building Analytical Thought Process
5. Encouraging Lateral Thinking

SECOND TERM

6-Overcoming the Obstacles7-Building the sense of communication8- Working on Relationships9-
Practicing Mindfulness10-Making Fearless Decisions

COMPUTER SCIENCE

FIRST UNIT – Operating System and Graphical User Interface- Role and Functions

COMPUTER PRACTICAL-ChartsinMicrosoft Excel 2016

HALF YEARLY EXAMS: Operating System and Graphical User Interface- Role and Functions,
Excel 2016 -Formulas and Functions, Algorithm and Flowchart, App Development.

SECONDUNIT-IntroductiontoJAVA and BlueJ, Explore Robotics

ANNUAL EXAMS: Introduction to JAVA and BlueJ, Algorithm and Flowchart, Excel 2016 -
Formulas and Functions, Decision Control Structure, Computer Networking and Cloud Computing

Biology

FIRST TERM

FIRST UNIT-Transport of food and minerals in plants.Worksheet (skill based)Chp 2: Reproduction in
Plants and Animals.

HALF YEARLY EXAM –Transport of food and minerals in plants, Reproduction in Plants and
Animals, Ecosystem, Endocrine system, Adolescence and Accompanying Changes.

SECOND TERM

SECOND UNIT - Circulatory System.

FINAL EXAM Circulatory System, Nervous System, Health and Hygiene, First Aid, Food production + Half yearly syllabus.

English Literature

Unit Test – I - 1. The Night the Ghost Got In 2. The Lake Isle of Innisfree (poem)

Half - Yearly Examination 1. The Narayanpur Incident 2. Melting Ice in Alaska 3. My Greatest Olympic Prize 4. The Rock and the Sea (Poem) 5. Failure (Poem) 6. The Merchant of Venice (Play)

VIVA : Patrol Babu, Film Star

Unit Test – II 1. The Boy who broke the Bank 2. Helen Keller (poem)

Final Examination - 1. The Visitor 2. The Stolen Bacillus 3. That Little Square Box 4. The Elephant and the Tragopan (Poem) 5. Marshlands (Poem) 6. Julius Caesar (Play)

ENGLISH LANGUAGE

First Unit Test - 1. Determiners 2. Verbs: The Present 3. Verbs: The Past 4. Verbs The Future Verbs: 5. Letter Writing 6. Comprehension **Viva-** Synonyms, Words often Confused

Half Yearly Examination - 1. Verbs: Modals 2. Verbs : Conditionals 3. Verbs: Non-Finite Forms 4. Verbs: Active and Passive Voice 5. Comparisons 6. Adverbs 7. Prepositions 8. Idiomatic Expressions 8. Words followed by Preposition 9. Letter Writing - Formal & Informal, Essay Writing, Comprehension, Writing Notices, Writing E-mail

Final Examination - 1. Conjunctions 2. Phrases and Clauses 3. Relative Clauses 4. Sentences - Simple, Compound and Complex 5. Transformation of Sentences 6. Direct and Indirect Speech 7. Punctuation and Capital Letters 8. Antonyms 9. Words Often Confused 10. Idiomatic Expressions 11. Letter Writing 12. Writing Notices, Writing E-mail 13. Comprehension

HISTORY

Ist Unit Test A Period of Transition **Viva-** The Union Legislature

Half Yearly Examination A Period of Transition, The Growth of Nationalism, The American War of Independence, India in the 18th Century, Traders to Rulers, British Policies and their Impact, The Union Legislature, The Union Executive

II UNIT TEST The Great Uprising of 1857

Finals Socio- Religious Reforms, India's Struggle for Freedom - Phase 1, India's Struggle for Freedom - Phase 2, The American Civil War, The Judiciary, United Nations, Agencies of the UN, The Union Legislature

GENERAL KNOWLEDGE

First Unit - Chapters 1-12 and current affairs+ important dates of April, May and June in the school diary.

Half Yearly Examination - Chapters 1-24 and current affairs + important dates of April to August.

Second Unit Test Chapters 25 to 36 and current affairs + important dates of September, October and November.

Final Examination - Chapters 25 to 46 and current affairs + important dates of September to March

Maths

First Term

Rational Numbers, Exponents And Powers, Squares and Square Roots, Cube And Cube Roots, Algebraic Expression, Algebraic Identities, Linear Equations, Linear Inequations, Percentage, Profit and loss, Discount.

First Unit Test - Algebraic Expressions Algebraic Identities, Squares and Square Roots.

Second Term. Playing With Numbers, Sets, Simple Interest and Compound Interest, Direct And Inverse Variation, Time and work, Ratio and Proportion, Quadrilaterals, Construction Of Quadrilaterals, Perimeter and Area of Plane Figures, Volume and Surface Area of Solids, Statistics, Graphical Representation of Statistical Data. Factorization, Circle.

Second Unit Test

Sets, Direct and Inverse Variation, Time and Work, Construction of Quadrilaterals.

Final Exam • Playing with numbers, • Sets, • Simple and Compound Interest, • Direct and Inverse Variation, • Factorisation, • Quadrilaterals, • Construction of Quadrilaterals, • Perimeter and Area of Plane Figures, • Volume and Surface Area of solids, • Statistics, • Graphical Representation of Statistical Data, • Circle, • Exponents and Power, • Algebraic Expressions and Identities, • Linear Equations, • Linear Inequations

GEOGRAPHY

UNIT TEST I - Map Work, Asia: The largest continent- Location and Physical Features, Representation of Geographical Features,

HALF YEARLY EXAMINATIONS -Map work, Representation of Geographical Features, Asia: The largest continent- Location and Physical Features, Asia: Climate; Natural Vegetation and Wildlife, Migration, Urbanisation, Natural and Man-made disasters

UNIT TEST II- Map Work, Representation of Geographical Features, India: Geographical Features

FINAL EXAMINATIONS - Map Work, Representation of Geographical Features, Natural and Man-made disasters, Population Dynamics, India: Geographical Features, India: Climate; Flora and Fauna, India: Human Resources,

***Hindi**

(नवीनपल्लव)* **FIRST TERM

FIRST UNIT* - 1.सच्चीवीरता , *वर्तिका (व्याकरण)* 1.भाषाऔरव्याकरण,2. वर्ण विचार2.शब्दविचार(तत्समतद्भव),3.संज्ञा (भाववाचकसंज्ञा)

श्रुतलेख, 1.सच्चीवीरता 2.गौरा- 10 Marks

HALF YEARLY EXAM *नवीनपल्लव* 1.वीणावादिनीवरदे! 2.खुशी की तलाश 3.गौरा

4.छोड़दो (कविता) 5.देवताओंकाअंचल :कुल्लू,

वर्तिका (व्याकरण) 1.संज्ञाकारूपपरिवर्तन,2. वचन3.सर्वनाम 4.विशेषण 5.

लोकोक्तियाँ,पत्रलेखन,अनौपचारिकपत्र,अनुच्छेद, कहानीअथवानिबंधलेखन, अपठितगद्यांश

|| **TERM *2nd unit test*** - *नवीनपल्लव* 1.बाढ़काबेटा *वर्तिका (व्याकरण)*1.काल

2.वाक्यविचार(सरल ,संयुक्तवमिश्रित) 3.शब्दरचना 4.विपरीतार्थकशब्द

FINAL *नवीनपल्लव* 1.बेतालकीकथा2.कोलकाताकीसंतमदरटेरेसा 3.मां पढ़ती है 4.

तृणभारत5.स्वतंत्रतापुकारतीहै (कविता) 6. गौरा 7. खुशी का तालाब

व्याकरण(वर्तिका) 1. पर्यायवाचीशब्द 2. वाक्यांशकेलिएएकशब्द 3.शब्दोंकेसहीरूप 4.विरामचिह्न

5.मुहावरे 6.पत्रलेखन7. औपचारिकपत्र 8.अनुच्छेद ,कहानीयानिबंधलेखन ,अपठितगद्यांश।

समस्त व्याकरण (Term1+Term2)

SANSKRIT

1st Unit - 1— अभ्यासस्य महत्ता2—महात्मा बुद्धः शब्द रूप— साधु धातु रूप— दा (पाँचों लकारों में)

Viva (10 marks MCQS)

1— प्रिय भारतम्2— ईश्वरः यत् करोति शोभनम् करोति

Half Yearly - 1— प्रियं भारतम्2— ग्राम्य जीवनम्3— वीरांगना महाराज्ञी लक्ष्मीबाई

4— समयस्य महत्त्वम्5— पुनः मूषकः भव6— ईश्वरः यत् करोति शोभनम् करोति शब्द रूप— नदी, साधु
, धातु रूप— स्था, पा (पाँचों लकारों में)

2ndUnit - 1— सुभाषितानि2— स्वामी विवेकानंदः शब्द रूप— कवि धातु रूप— कृ (पाँचों लकारों में)

Finals - 1— हिमालयः2— गीतामृतम्3— चतुरः व्याघ्रः4— महाकविः कालिदासः5— प्रियं भारतम्6— पुनः
मूषकः भव शब्द रूप— कवि, राजा धातु रूप— कृ, अस् (पाँचों लकारों में)