

St. Mary's Convent High School

Syllabus Class 9

2025- 2026

1.Value Education

Half Yearly Examination- Keep Calm, Draw the Line, Manage Your Time, Do Your Best and Keep Your Word.

Final Examination-

End Conflicts, Deal with Criticism, Make Right Decisions, The Making of a Leader and Connect with the Community.

2.ENGLISH I

UNIT TEST-1

1.Letter Writing (Formal and Informal)

2. Grammar

HALF YEARLY

Total English (Practice Paper 1-8)

Composition, Comprehension, Letter Writing, Notice and E-mail, Grammar.

UNIT TEST II

1. Notice and E-mail

2. Grammar.

FINAL EXAMINATION

Total English (Practice Paper 9-15) , Composition, Comprehension, Letter Writing, Notice and E- mail, Grammar.

3.PHYSICS

First Unit Test :- Measurements and Experimentation, Motion in One Dimension (Section 2A)

HALF YEARLY :- Measurements and Experimentation, Motion in One Dimension, Laws of Motion, Heat and Energy, Reflection of Light, Propagation of Sound Waves(Section 8A)

Second Unit Test :- Pressure in Fluids and Atmospheric Pressure, Upthrust in Fluids, Archimedes' Principle and Floatation

FINAL TERM :- Measurements and Experimentation, Motion in One Dimension, Laws of Motion, Pressure in Fluids And Atmospheric Pressure, Upthrust in Fluids, Archimedes' Principle and Floatation, Heat and Energy, Reflection of Light, Propagation of Sound Waves, Current Electricity, Magnetism.

Practical:-

- To verify the laws of reflection.
- To find out the diameter of a Spherical Bob using vernier caliper.
- To find out the diameter of a copper wire using screw gauge.
- To plot the magnetic lines of force for a bar magnet.
- To verify the proportionality between the time period of a simple pendulum and its length.

4.ECONOMIC APPLICATIONS

UNIT 1

- 1) Meaning and Definition of Economics
- 2) Basic Concepts of Economics

HALF YEARLY

- 1) Meaning and Definition of Economics
- 2) Basic Concepts of Economics
- 3) Economy & Economic Entities
- 4) Basic Problems & an Economy
- 5) The Nature and The Classification of An Economy
- 6) Solutions to The Basic Problems in Different Economies

UNIT 2

- 1) The Nature of the Indian Economy
- 2) The Sectors of The Indian Economy

FINAL TERM

- 1) Impact of Agricultural and Industrial Practices on the ecosystem
- 2) Infrastructure of The Indian Economy
- 3) Social Infrastructure the Indian Economy
- 4) Consumer Awareness
- 5) Globalisation
- 6) Basic concepts of Economics (Term 1)
- 7) Nature and classification of Economy (Term1)

5.CHEMISTRY

Unit-1

Chapter-1 The Language of Chemistry

Chapter-8 Study of Gas Laws

HALF YEARLY

Chapter-1 The Language of Chemistry,

Chapter-2 Chemical Changes and Reactions,

Chapter-4 Atomic Structure, Chapter-8 Study of Gas Laws, Chapter- 9 Atmospheric Pollution

UNIT 2

Chapter -5 Chemical Bonding,

Chaper-6 The Periodic Table

FINAL TERM

Chapter-1 The Language of Chemistry,

Chapter-2Chemical Changes and Reactions

Chapter –3 water

Chapter-4 Atomic Structure, Chapter-5 Chemical bonding,
Chapter-6 The Periodic Table, Chapter-7 Study of the first
Element-Hydrogen,

Chapter-8 Study of gas laws, Chapter-9 Atmospheric
Pollution, Chapter-10 Practical Chemistry

6.ENGLISH II

UNIT TEST 1

1.Prose: Bonku Babu's Friend

2. Poem: The Night Mail

HALF YEARLY EXAMINATION

1. Julius Caesar (Act I Sc1, 2,3)

2. Prose:

a. Oliver Asks for More

- b. The Model Millionaire
- c. Bonku Babu's Friend
- 3. Poem:
 - a. Skimbleshanks: The Railway Cat
 - b. I remember, I remember.
 - c. The Night Mail.

UNIT TEST II

- 1. Prose: Home-coming
- 2. Poem: A Doctor's Journal Entry for August 6, 1945.

FINAL EXAMINATION

- 1. Julius Caesar (Act II Sc 1,2,3,4)
 - 2. Prose:
 - a. The Boy who Broke the Bank
 - b. Homecoming
 - 3. Poem:
 - a. A Work of Artifice
 - b. A Doctor's Journal Entry for August 6, 1945.
- (including all the chapters of the Half Yearly Examination)

7. Biology

UNIT 1

The cell, Tissue.

HALF YEARLY

Pollination and Fertilization ,Structure and Germination of seeds, Respiration in Plants, Diversity in the Living organisms, Economic Importance of Bacteria and Fungi, Nutrition, Nutrition in Animals, The cell, The flower.

UNIT 2

Digestive System of man, Movement and locomotion, The Respiratory system

FINALS

Skin, Movement and locomotion, Health and Hygiene, Aids to Health, Health Organisation, Sources of waste, Waste Management + Unit 1, 2 and Half yearly syllabus.

8.Fashion Designing

Unit 1- Textile fibres, Manufacturing of Fibres

Half yearly- Textile fibres, Manufacturing of Fibres, finishes given to fabrics, types of fabrics.

Practical- Needlework tools and processes, Parts of a dress, making dresses.

Unit 2- Purchase of fabrics and estimation of quality, Selection and use of Supplementary materials.

Finals- Textile fibres, Manufacturing of Fibres, finishes given to fabrics, types of fabrics, Purchase of fabrics and estimation of quality, Selection and use of Supplementary material, Choice of clothes for an individual.

Practical- sewing for home.

9.MATHEMATICS

- Rational and Irrational numbers.
- Compound Interest (Without using formula)
- Compound Interest
(Using formula)
- Expansions
- Factorisation
- Simultaneous Linear Equations .
- Indices.
- Logarithms
- Co-ordinate Geometry.
- Graphical Solutions.
- Distance Formula.

- Triangles

First Unit Test

Rational and Irrational Numbers.

Expansions

Factorisation

Simultaneous Linear Equations

Final Term syllabus

- Isosceles Triangles
- Mid-point and its Converse.
- Pythagoras Theorem
- Rectilinear Figures
- Construction of Polygons
- Area Theorems
- Circle.
- Area and Perimeter of Plane Figures
- Solids
- Trigonometrical Ratios
- Trigonometrical Ratios of standard Angles
- Solution of Right Triangles
- Complementary Angles

- Statistics.
 - Mean and Median
- +(Chapters of First Term)

Second Unit Test

- Trigonometrical Ratios
- Trigonometrical Ratios of standard Angles
- Solution of Right Triangles
- Complementary angles
- Pythagoras Theorem.

10.Computer Applications

Unit Test-1 : Ch-3 Values, Data Types and Errors, Ch-4 Operators and Expression in Java, Java Tokens

Half Yearly : Ch-1 Introduction of OOP concepts, Ch-2 Elementary concept of Object & classes, Ch-3 Values, Data Types and Errors, Ch-4 Operators and Expression in Java, Ch-8 Conditional constructs in Java.

Unit Test-2 : All Java Tokens, Ch-8 Conditional constructs in Java (Conditional Statements), Ch-9 Iterative constructs in Java

Final Exam : All Java Tokens, Data Types, Conditional Statements, Ch-9 Iterative constructs in Java, Ch-10

Nested Iteration in Java, Ch-7 Mathematical Library Methods, Ch-6 Input in Java, Types of error, Types of Comment, Ch-5 Classes and Methods, Program based on Series, Numbers, and Programs based on Conditional Statements and Loops.

11.History And Civics

UNIT TEST I - 1)TheHarappan civilization (History) 2) Our constitution (civics)

Half Yearly : 1) The HarappanCivilisation 2) The Vedic Period 3) Jainism and Buddhism 4) The Mauryan

Empire 5) The Sangam Age 6) The AgeGuptas 7)Medieval India – (A) The Cholas 8)The Modern Age in Europe - (A) Renaissance

CIVICS:1)Our Constitution 2)Salient Features of the Constitution – I 3)Salient Features the Constitution- II

Unit Test II - 1)Medival India-(B) The Delhi Sultanate 2) Elections(CIVICS)

Annual -1) Medieval India-(B) 2) The Delhi sultanate 3)Medieval India -(C)The Mughal empire 4)

Medieval India - (D) Composite Culture 5) The Modern Age in Europe - (B) Reformation 6)The Modern Age in Europe(C) industrial Revolution

CIVICS 1) Local self -Government – Rural 2) local self - Government –Urban + All The chapters done during the

12.PHYSICAL EDUCATION

Unit Test 1- Badminton, Football

Half Yearly Exam-

SECTION 'A' - 1. The human anatomy and physiology
2.Muscular system

SECTION 'B' – 1.Badminton 2.Football

Unit Test 2 - Volleyball

Annual Exam

Section 'A' 1. Respiratory System
2. Circulatory System
3. Games and Sports

Section B – 1. Volleyball
2. Football
3. Badminton

Entire syllabus of Half Yearly Examination

13.Geography

Unit Test Syllabus-

1. The Earth as a Planet

2. Pollution- Its sources and Effects
3. Preventive Measure of Pollution

Half Yearly Examination

1. Geographic Grid: Latitudes and Longitudes
2. Rotation and Revolution of the Earth
3. Earth's Structure
4. Landforms of the Earth
5. Rocks
6. Natural Regions of the World-I (Equatorial Region)
7. Natural Regions of the World-I (Desert Region)
8. Numerical
9. Map Work

Second Unit Test

1. Volcanoes
2. Earthquake
3. Weathering and Denudation

Final Examination

1. Hydrosphere, Tides and Ocean Currents
2. The Atmosphere
3. Insolation
4. Pressure Belts and Types of Winds
5. Humidity
6. Natural Regions of the World-II (Monsoon Region)
7. Natural Regions of the World-I (Temperate Grasslands)

8. Map Work

HINDI

Unit I

गद्य - 1. काकी

पद्य- 2. कुंडलियाँ (गिरिधर कविराय)

व्याकरण- पर्यायवाची, विलोम शब्द, भाववाचक संज्ञा, तत्सम
तद्भव, शुद्ध अशुद्ध शब्द

Half Yearly

गद्य- 1. बात अठन्नी की 2. काकी 3. अपना अपना भाग्य

पद्य- 1. साखी 2. स्वर्ग बना सकते हैं 3. गिरिधर की कुंडलियां

व्याकरण-निबंध, पत्र लेखन औपचारिक पत्र, अनौपचारिक पत्र,
पर्यायवाची शब्द, विलोम शब्द, विशेषण, भाववाचक संज्ञा, वचन,
लिंग, तत्सम तद्भव, वाक्यांश, मुहावरे, लोकोक्ति, शुद्ध- अशुद्ध,
अपठित गद्यांश

Unit II

गद्य - 1. नेता जी का चश्मा

पद्य-2. सूर के पद

व्याकरण-

वाक्यांश, मुहावरे, भाववाचक संज्ञा, वचन, लिंग

Finals

गद्य - 1. भीड़ में खोया आदमी 2. नेता जी का चश्मा

पद्य - 1. वह जन्मभूमि मेरी 2. सूर के पद

व्याकरण- काल अर्थ व रचना के आधार पर वाक्य तथा पूर्ववत्
संपूर्ण पाठ्यक्रम

(Term 1+Term 2)

ART

FIRST UNIT

Still Life: 3D Shapes and Shade, fruits, vegetables.

Nature Drawing: Parts of Flower, Sunflower.

HALF YEARLY

Still Life: Book and Glass, kettle and Cup plate,
Tiffin Box and Water bottle.

Nature: Sadabahar, Hibiscus, Money Plant.

SECOND UNIT

Still Life: Apple, Book and Glass, Bowl and
Container.

Nature : Rose, Yellow Oleander, Pink Oleander.

FINAL EXAM

Still Life: Flask and Ladies Purse, bucket, mug and
brush.

Nature: Onion, Tomato, Banana, Ginger.