

ST. JOSEPH'S CONVENT SCHOOL
SYLLABUS 2026 – 2027
CLASS- IX

ENGLISH LANGUAGE:

1st Unit Test:-

1. Prepositions
2. Formal and Informal letter.

2nd Unit Test:-

1. Comprehension

Half yearly Examination:-

1. Composition
2. Notice Writing.
3. Email writing
4. Grammar
5. Comprehension
6. Speaking and listening skills.

Final Examination:-

1. Complete language portion (Composition, letters, email, notice, grammar and comprehension).

ENGLISH LITERATURE:

1st Unit Test:-

1. Oliver asks for more (S. Story).
2. The Night mail (Poem)

2nd Unit Test:-

1. Julius Caesar [Act 1-Sc(i) and (ii)]

Half – Yearly Examination:-

1. Julius Caesar (Act 1)
2. Bonku babu's friend (S. Story)
3. The Model Millionaire (S.Story).
4. Skimble Shanks; The railway cat (Poem).
5. I remember, I remember (poem).

Final Examination:-

1. Julius Caesar (Act II -Sc 1,2,3 and 4).
2. Home coming (S. Story)
3. The boy who broke the bank (S.Story).
4. A doctor's journal entry (Poem)
5. A work of Artifice (Poem)
6. Project on literature

ODIA:

1st Unit test:-

1. ଗାନ୍ଧୀଜୀର ଆଶିର୍ବାଦ
2. Composition, letter, comprehension and do as directed

2nd Unit Test:-

1. ଧୂଳିଆ ବାବା
2. Composition, letter, comprehension and do as directed

Half Yearly Examination:-

1. ଭଦ୍ର ଲ କ
2. ଶିକାର
3. କାଳଜ

4. ବନପ୍ତ ଉଦ ନ କୁସୁମ
5. All grammar portion done in the class

Final Examination:-

1. ମୁଖ୍ୟାଂଶ
2. ନନ୍ଦନପୁର ଏକ୍ସ ପ୍ର
3. ଗରିବର ଦୁଗ ଶ୍ରବ
4. ମହିମା
5. All grammar portion done in the class throughout the Academic year

HINDI

1st Unit Test:-

1. Sahitya Sagar (Gadya bhag) :- Ch 1
2. Grammar:- vachya, vilom, paryayvachi, muhavre, vakya parivartan

2nd Unit Test:-

1. Sahitya sagar (padya bhag):- Ch 1
2. Grammar:- Vilom, paryayvachi, muhavre, vakya parivartan

Half Yearly Examination:-

1. Sahitya Sagar
2. Gadya bhag:- Ch 2, 3,4
3. Padya bhag:- Ch 2,3,4
4. Grammar:- Nibandh, Patra, Unseen passage, vyavaharik vyakaran

Final Examination:-

1. Sahitya Sagar
2. Gadya bhag:- Ch 5,6,7
3. Padya bhag:- Ch 5, 6,7
4. Grammar:- Nibandh, patra, Unseen Passage, vyavaharik vyakaran

CHEMISTRY

1st Unit Test:-

1. The Language of Chemistry
2. Chemical Changes and Reactions

2nd Unit Test:-

1. Chemical Changes and Reaction
2. The Language of Chemistry

Half Yearly Examination:-

1. Unit Test Portion
2. Water
3. Atomic Structure and Chemical Bonds
4. Practical Chemistry
5. The Periodic Table

Final Examination:-

1. Half yearly portion
2. Hydrogen
3. Study of Gas Laws

BIOLOGY:

1st Unit Test:-

1. Cell – Unit of Life
2. Tissue – Plant and Animal Tissues

2nd Unit Test:-

1. The Flower
2. Pollination and Fertilization

Half yearly Examination:-

1. Seeds – Structure and Germination
2. Respiration in Plants
3. Kingdom Animalia
4. Economic Importance of Bacteria
5. Economic Importance of Fungi
6. Nutrition
7. Digestive System
8. Skeleton – Movement and Locomotion

Final Examination:-

1. Skin
2. Diseases
3. Modes of Transmission
4. Diseases – Cause and Control
5. Aids to Health
6. Health Organisation

PHYSICS

1st Unit Test:-

1. Measurements and Experimentation
2. Motion in One Dimension

2nd Unit Test:-

1. Laws of Motion
2. Pressure in fluids and Atmospheric Pressure

Half – Yearly Examination:-

1. Upthrust in Fluids
2. Heat and Energy

Final Examination:-

1. Reflection of Light
2. Propagation of Sound Waves
3. Current Electricity
4. Magnetism

GEOGRAPHY

1st Unit Test:-

1. The Earth as a Planet
2. Structure of the Earth
3. Material of the Earth's Crust (Rocks)

2nd Unit Test:-

1. Structure of the Earth
2. The Atmosphere
3. The Equatorial Region

Half Yearly Examination:-

1. Latitudes and Longitudes
2. Motion of the Earth
3. Material of the Earth's Crust (Rocks)
4. Landforms of the Earth
5. Volcanoes
6. The Oceans
7. The Atmosphere
8. Insolation
9. Air and Water Pollution
10. The Equatorial Region
11. The Tropical Monsoon Region
12. The Tropical Desert Region

Map Work (Half Yearly)

1. Natural Regions (Equatorial, Tropical Monsoon, Tropical Desert)
2. Oceans, Seas, Gulfs and Straits

Final Examination:-

1. Earthquake
2. Weathering
3. Denudation
4. Tides and Ocean Currents
5. Atmospheric Pressure and Winds
6. Humidity
7. Soil, Radiation and Noise Pollution
8. The Mediterranean Region
9. The Temperate Grassland
10. The Tropical Grassland
11. The Taiga
12. The Tundra

Map Work (Annual)

1. Rivers, Mountains and Plateaus
2. Natural Regions

HISTORY

1st Unit Test:-

History

1. Harappan Civilization (History – Chapter 1)

Civics

1. Our Constitution and its Salient Features (Civics – Chapter 1)

2nd Unit Test:-

History

1. Early Vedic Civilization (History – Chapter 2)
2. The Later Vedic Age (History – Chapter 3)

Civics

1. Our Constitution and its Salient Features (Civics – Chapter 1)

Half – Yearly Examination:-

History

1. India in the 6th Century BC: Rise of Jainism and Buddhism (History – Chapter 4)
2. The Mauryan Empire (History – Chapter 5)
3. The Sangam Age: Kingdoms and the Social and Economic Conditions (History – Chapter 6)
4. The Age of the Guptas (History – Chapter 7)
5. South India and the Cholas (History – Chapter 8)

Civics

1. Elections and the Election Commission (Civics – Chapter 3)
2. The State Legislatures (Civics – Chapter 4)

Final Examination:-

History

1. The Delhi Sultanate (History – Chapter 9)
2. The Mughal Empire (History – Chapter 10)
3. The Composite Culture: Bhakti Movement, Sufism and Influence of Christianity on Indian Society (History – Chapter 11)
4. The Renaissance (History – Chapter 12)
5. The Reformation (History – Chapter 13)
6. Industrial Revolution and Capitalism and Socialism (History – Chapter 14)

Civics

1. The State Legislatures (Civics – Chapter 4)

COMPUTER

1st Unit Test:-

1. Object Oriented Programming
2. History and Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Programs on Decision making(if Statement)
6. Input using Scanner Class
7. General Programming using Scanner Class

2nd Unit Test:-

1. Switch Statement
2. Mathematical Function
3. 1st Unit Test Portion

Half – Yearly Examination:-

1. Object Oriented Programming
2. History &Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Mathematical Function
6. Input using Scanner Class
7. General Programming and Decision making statement (if and switch statement)
8. Iteration Control (Only for loop)

Final Examination:-

1. Object Oriented Programming
2. History &Development of JAVA
3. Concept of Tokens & Data Types
4. Operators and Expressions
5. Mathematical Function
6. Input using Scanner Class
7. Decision making statement (if and switch statement)
8. Iteration Control (for loop & while loop)

ROBOTICS & AI

1st Unit Test:- [20 Marks]

1. INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON
 - a. Familiarization with Python
 - b. Introduction to data types and variables

2nd Unit Test:- [20 Marks]

1. INTRODUCTION TO ROBOTICS
 - a. Understanding Robots
 - b. Evolution of Robots; Laws of Robotics
 - c. Classification of Robots
 - d. Real world Robots and their Applications
2. ROLE OF DATA AND INFORMATION, EVOLUTION OF COMPUTING
 - a. Data and Information: Types of Data (audio, visual, numeric, text); Data to Information.
 - b. Evolution of Computing: Pre AI/ML Binary Logic System, Conditional Gates, Deterministic computing for deterministic problems.

Half – Yearly Examination:- [100 Marks]

1. INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON
 - a. Introduction to Operators
 - b. Conditional Statements

2. ROBOT AS A SYSTEM
 - a. Building blocks of Robots
 - b. Identification of Robots
3. INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)
 - a. Meaning and brief history
 - b. Applications and Benefits of AI
 - c. Ethical Considerations in AI
4. ROBOTICS PRACTICAL
 - a. Introduction to Electronics and Components
 - b. Arduino Basics – Blinking an LED (Tinkercad Simulation + Hardware)
 - c. Arduino Input – Button Controlled LED (Simulated + Hardware)
 - d. Light Sensor with LDR (Simulated + Hardware)
 - e. Ultrasonic Sensor for Distance Measurement (Simulated + Hardware)
 - f. Infrared Sensor to detect objects or surface contrast (black/white)

Final Examination:- [100 Marks]

1. CONCEPTS IN ROBOTICS
 - a. Types of motion; motion in one-dimension and two-dimension; types of joints and links
 - b. Using links and joints to create specific motion
 - c. Degree of freedom of a robot
2. AI CONCEPTS AND AI PROJECT FRAMEWORK
 - a. AI Concepts
 - b. Components and Stages (alias AI Project Cycle)
3. INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON
 - i. Class – IX need to be revised
 - a. Familiarization with Python
 - b. Introduction to data types and variables
 - c. Introduction to Operators
 - d. Conditional Statements
 - ii. Control Statements
 - iii. Functions
4. ROBOTICS PRACTICAL
 - a. Assembling a Robot Chassis
 - b. Simple Motion Control – Move Robot Forward/Backward
 - c. Path Following Robot
 - d. Bluetooth Controlled Robot
 - e. 2 real time Project

ECONOMIC APPLICATION

1st Unit Test:-

1. Definition of economics
2. Economic entities

2nd Unit Test:-

1. Basic problems of an economy
2. Nature and classification of an economy

Half – Yearly Examination:-

3. The sectors of Indian economy
4. Impact of agricultural and industrial practices on the eco system
5. 1st Unit test +2nd Unit Test

Final Examination:-

1. Infrastructure of the Indian economy
2. Social infrastructure
3. Consumer awareness
4. Globalization
5. Half yearly portion

MATHEMATICS

1st Unit Test:-

1. L-1 Rational and Irrational numbers
2. L-3 Expansions
3. L-19 Trigonometrical Ratios

2nd Unit Test:-

1. L-2 Compound Interest
2. L-4 Factorization

Half – Yearly Examination:-

1. L-8 Triangles
2. L-9 Midpoint Theorem & Intercept Theorem
3. L-10 Pythagoras Theorem
4. L-16 Area of Plane Figures
5. L-17 Circumference & Area of Circle
(Including Previous Chapters taught)

Final Examination:-

1. L-14 Introduction Data and Frequency Distribution
2. L-15 Mean & Median & Frequency Polygon
3. L-5 Simultaneous Linear Equation
4. L-6 Indices
5. L-7 Logarithms
6. L-11 Rectilinear Figures
7. L-12 Area Theorems
8. L-13 Circle
9. L- 18 Volume & Surface Area of Solids
10. L-20 Coordinate Geometry
(Including Previous Chapters taught)