

ST. MARY'S ENGLISH HIGH SCHOOL, BISTUPUR, JAMSHEDPUR
SYLLABUS FOR THE YEAR - 2026 - 2027

CLASS: XII ABC

SUBJECT: ENGLISH

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
ENGLISH LITERATURE:	ENGLISH LITERATURE:
1. The Last Lesson (Flamingo)	1. Lost Spring (Flamingo)
2. The Third Level (Vistas)	2. Deep Water (Flamingo)
3. My Mother at Sixty-Six (Poem)	3. The Tiger King (Vistas)
4. A Thing of Beauty (Poem)	4. Keeping Quiet (Poem)
5. A Roadside Stand (Poem)	5. Journey to the End of the Earth (Vistas)
	6. Indigo (Flamingo)
ENGLISH LANGUAGE:	ENGLISH LANGUAGE:
1. Notice Writing	1. Informal / Formal Invitation & Reply
2. Letter to the Editor	2. Job Application Letter
3. Article Writing	
SECOND PERIODICAL (OCTOBER TO DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
ENGLISH LITERATURE:	
Flamingo:	Revision
1. The Rattrap (Flamingo)	
2. The Interview (Flamingo)	
3. Poets and Pancakes (Flamingo)	
4. Going Places (Flamingo)	
5. The Enemy (Vistas)	
6. On the Face of it (Vistas)	
7. Memories of Childhood (Vistas)	
8. Aunt Jennifer's Tiger (Poem)	
ENGLISH LANGUAGE:	
1. Report Writing	

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CLASS: XII A B

SUBJECT: MATHEMATICS

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
UNIT - I	UNIT - III
1. Relations & Functions	1. Continuity & Differentiability
2. Inverse Trigonometric Functions	2. Application of Derivatives
UNIT - II	UNIT - IV
1. Matrices & Determinants	1. Vectors
	2. Three Dimensional Geometry
UNIT - V	
1. Linear Programming	
UNIT - VI	
1. Probability	
SECOND PERIODICAL (OCTOBER TO DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
UNIT - III	
3. Integrals	
4. Application of Integrals	Revision
5. Differential Equations	
Revision : (By Question Bank & Different Sample Papers)	

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CLASS: XII A B

SUBJECT: PHYSICS

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
Unit I – Electrostatics	Ch. 5 – Magnetism and Matter
Ch. 1 – Electric Charges and Fields	
Ch. 2 - Electrostatic Potential and Capacitance	Unit IV – Electromagnetic Induction and Alternating Currents
Unit II – Current Electricity	Ch. 6 – Electromagnetic Waves
Ch. 3 – Current Electricity	Ch. 7 – Alternating Current
Unit III – Magnetic Effects of Current and Magnetism	Unit V – Electromagnetic Waves
Ch. 4 – Moving Charges and Magnetism	Ch. 8 – Electromagnetic Waves
	Unit VI – Optics
	Ch. 9 – Ray Optics and Optical Instruments
SECOND PERIODICAL (OCTOBER TO DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
Ch. 10 – Wave Optics	
Unit VII – Dual Nature of Radiation and Matter	
Ch. 11 – Dual Nature of Radiation and Matter	Revision
Unit VIII – Atoms and Nuclei	
Ch. 12 – Atoms	
Ch. 13 - Nuclei	
Unit IX – Electronic Devices	
Ch. 14 – Semiconductor Electronics, Materials, Devices And Simple Circuits	

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SYLLABUS FOR THE YEAR - 2026 - 2027

CLASS: XII A B

SUBJECT: CHEMISTRY

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
* Solutions	* Alcohols, Phenols & Ethers
* Electrochemistry	* Chemical Kinetics
* Haloalkanes & Haloarenes	* Amines
SECOND PERIODICAL (OCTOBER TO DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
* d - & f - block Elements	
* Aldehydes, Ketones & Carboxylic acids	Revision
* Biomolecules	
* Co-ordination Compounds	

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CLASS: XII B

SUBJECT: BIOLOGY

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
Unit - VI Reproduction	Unit - VII Genetics and Evolution
Ch. 2 - Sexual Reproduction in Flowering Plants	Ch. 5 - Principles of Inheritance and Variation
Ch. 3 - Human Reproduction	Ch. 6 - Molecular Basis of Inheritance
Ch. 4 - Reproductive Health	
	Unit - IX Biotechnology and Its Application
Unit - VIII Biology And Human Welfare	Ch. 11 - Biotechnology and Process
Ch. 8 - Human Health and Diseases	Ch. 12 - Biotechnology and Its Application
Ch. 10 - Microbes in Human Welfare	
SECOND PERIODICAL (OCTOBER to DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
Unit - X Ecology and Environment	Revision
Ch. 13 - Organisms and Populations	
Ch. 14 - Ecosystems	
Ch. 15 - Biodiversity and Its Conservation	

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SYLLABUS FOR THE YEAR - 2026 - 2027

CLASS: XII ABC

SUBJECT: PHYSICAL EDUCATION

FIRST PERIODICAL (APRIL TO JUNE)	FIRST TERM (JULY TO SEPTEMBER)
TOPIC/CHAPTER	TOPIC/CHAPTER
UNIT 1 - Management of Sporting Events	UNIT 5 – Sports & Nutrition
UNIT 2 - Children & Women in Sports	UNIT 6 – Test and Measurement in Sports
UNIT 3 – Yoga as Preventive Measure for Lifestyle Disease	UNIT 7 - Physiology & Injuries in Sports
UNIT 4 - Physical Education & Sports for CWSN (Children with special needs)-Divyang	
SECOND PERIODICAL (OCTOBER TO DECEMBER)	FINAL TERM (JANUARY & FEBRUARY)
TOPIC/CHAPTER	TOPIC/CHAPTER
UNIT 8 - Biomechanics & Sports	
UNIT 9 - Psychology & Sports	Revision
UNIT 10 - Training in Sports	

ST. MARY'S ENGLISH HIGH SCHOOL, BISTUPUR, JAMSHEDPUR
SYLLABUS FOR ACADEMIC YEAR 2026-2027
SUBJECT - COMPUTER SCIENCE (083)
CLASS - XII ABC

FIRST PERIODICAL (APRIL TO JUNE) TOPIC & CHAPTER	FIRST TERM (JULY TO SEPTEMBER) TOPIC & CHAPTER
Revision of Python Basics	Data Structures: Stack, Queue
Functions (Advanced Concepts: Recursion)	Computer Networks
File Handling (Text, Binary Files)	Data Communication Concepts
	Practical Programs & Case Studies
SECOND PERIODICAL (OCTOBER TO DECEMBER) TOPIC & CHAPTER	FINAL TERM (JANUARY & FEBRUARY) TOPIC & CHAPTER
Database Concepts	Revision of Complete Syllabus
SQL (DDL, DML, Queries)	Full-Length Practice Papers
Interface Python with SQL (Connectivity)	Project Submission & Viva Preparation
Project Work Development	Practical Exam Preparation