



**STAR INTERNATIONAL
SCHOOL, RANCHI**
SYLLABUS – XII (Sci.) (AY 2026-27)



ENGLISH CORE:

Prescribed Books

1. Flamingo
2. Vistas

Term I

Flamingo	Vistas	Grammar
Prose: 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap Poetry: 1. My Mother at Sixty-Six 2. Keeping Quiet 3. A Thing of Beauty	1. The Third Level 2. The Tiger King 3. Journey to the end of the Earth	1. Letter based on verbal/visual input -Letters to the editor (giving suggestions or opinion on issues of public interest) -Application for a job with bio data or resume 2. Notice writing

Term II

Flamingo	Vistas	Grammar
Prose: 1. Indigo 2. Poets and Pancakes 3. The Interview 4. Going Places Poetry: 1. A Roadside Stand 2. Aunt Jennifer's Tigers	4. The Enemy 5. On the Face of It 6. Memories of Childhood - The Cutting of My Long Hair - We Too are Human Beings	1. Formal/Informal Invitation and Reply 2. Article/Report Writing

MATHEMATICS:

Prescribed books:

1. Mathematics Part I - Textbook for Class XII, NCERT Publication
2. Mathematics Part II - Textbook for Class XII, NCERT Publication

Term I	Term II
• Relations and Functions • Inverse Trigonometric Functions • Matrices • Determinants • Continuity and Differentiability • Applications of Derivatives • Integrals	• Application of the Integrals • Differential Equations • Vectors • Three - dimensional Geometry • Linear Programming • Probability



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BIOLOGY:

Prescribed Books:

1. Biology, Class-XII, Published by NCERT

Term I	Term II
Chapter-1: Sexual Reproduction in Flowering Plants Chapter-2: Human Reproduction Chapter-3: Reproductive Health Chapter-4: Principles of Inheritance and Variation Chapter-5: Molecular Basis of Inheritance Chapter-6: Evolution Chapter-7: Human Health and Diseases	Chapter-8: Microbes in Human Welfare Chapter-9: Biotechnology - Principles and processes Chapter-10: Biotechnology and its Applications Chapter-11: Organisms and Populations Chapter-12: Ecosystem Chapter-13: Biodiversity and its Conservation

PHYSICS:

Prescribed books:

1. Physics, Class XII, Part -I and II, Published by NCERT.

Term I	Term II
Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance Chapter-3: Current Electricity Chapter-4: Moving Charges and Magnetism Chapter-5: Magnetism and Matter Chapter-6: Electromagnetic Induction Chapter-7: Alternating Current Chapter-8: Electromagnetic Waves	Chapter-9: Ray Optics and Optical Instruments Chapter-10: Wave Optics Chapter-11: Dual Nature of Radiation and Matter Chapter-12: Atoms Chapter-13: Nuclei Chapter-14: Semiconductor Electronics: Materials, Devices and Simple Circuits

CHEMISTRY:

Prescribed books:

1. Chemistry Part -I, Class-XII, Published by NCERT.
2. Chemistry Part -II, Class-XII, Published by NCERT

Term I	Term II
• Unit 1: Solutions • Unit 2: Electrochemistry • Unit 3: Chemical Kinetics • Unit 4: d and f Block Elements • Unit 5: Coordination Compounds	• Unit 6: Haloalkanes and Haloarenes. • Unit 7: Alcohols, Phenols and Ethers • Unit 8: Aldehydes, Ketones and Carboxylic Acids • Unit 9: Amines • Unit 10: Biomolecules



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PHYSICAL EDUCATION:

Prescribed Books:

1. Health and Physical Education, Class-XII, Published by New Saraswati House

Term I	Term II
Unit 1: Management of Sporting Events Unit 2: Children & Women in Sports Unit 3: Yoga as Preventive measure for Lifestyle Disease Unit 4: Physical Education & Sports for CWSN Unit 5: Sports & Nutrition	Unit 6: Test & Measurement in Sports Unit 7: Physiology & Injuries in Sports Unit 8: Biomechanics & Sports Unit 9: Psychology & Sports Unit 10: Training in Sports

COMPUTER SCIENCE:

Prescribed Books:

1. NCERT Textbook for COMPUTER SCIENCE (Class XII)

Term I	Term II
Unit 1: Computational Thinking and Programming – 2 Unit 2: Computer Networks	Unit 2: Computer Networks (Cont.) Unit 3: Database Management



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ENGLISH CORE:

Prescribed Books

1. Flamingo, NCERT
2. Vistas, NCERT

Term I

Flamingo	Vistas	Grammar
Prose: 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap Poetry: 1. My Mother at Sixty-Six 2. Keeping Quiet 3. A Thing of Beauty	1. The Third Level 2. The Tiger King 3. Journey to the end of the Earth	1. Letter based on verbal/visual input • Letters to the editor (giving suggestions or opinion on issues of public interest) • Application for a job with bio data or resume 2. Notice writing

Term II

Flamingo	Vistas	Grammar
Prose: 1. Indigo 2. Poets and Pancakes 3. The Interview 4. Going Places Poetry: 1. A Roadside Stand 2. Aunt Jennifer's Tigers	4. The Enemy 5. On the Face of It 6. Memories of Childhood • The Cutting of My Long Hair • We Too are Human Beings	1. Formal/Informal Invitation and Reply 2. Article/Report Writing

BUSINESS STUDIES:

Prescribed books:

1. Business Studies (Part I & II), NCERT

Term I	Term II
Part A Principles and Functions of Management 1. Nature and Significance of Management 2. Principles of Management 3. Business Environment 4. Planning 5. Organizing 6. Staffing	7. Directing 8. Controlling Part B Business Finance and Marketing 9. Financial Management 10. Financial Markets 11. Marketing Management 12. Consumer Protection

Note: Please visit [CBSE | Academics Unit : Curriculum/Syllabus](https://www.cbse.gov.in/) for more details.



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ACCOUNTANCY:

Prescribed Books:

1. Accountancy Part-1: XII, NCERT
2. Accountancy Part-2: XII, NCERT
3. Accountancy – Computerized Accounting System: XII, NCERT

Term I	Term II
Part A Accounting for Partnership Firms and Companies • Unit 1. Accounting for Partnership Firms • Unit 2. Accounting for Companies	Part B Financial Statement Analysis • Unit 3. Analysis of Financial Statements • Unit 4. Cash Flow Statement OR Part B Computerized Accounting • Unit 4. Computerized Accounting

ECONOMICS:

Prescribed books:

1. Indian Economic Development, NCERT
2. Macroeconomics, NCERT

Term I	Term II
Part A: Introductory Macroeconomics • Unit 1: National Income and Related Aggregates • Unit 2: Money and Banking • Unit 3: Determination of Income and Employment • Unit 4: Government Budget and the Economy	Part A: Introductory Macroeconomics • Unit 5: Balance of Payments Part B: Indian Economic Development • Unit 6: Development Experience (1947-90) and Economic Reforms since 1991 • Unit 7: Current Challenges facing Indian Economy • Unit 8: Development Experience of India – A Comparison with Neighbours

PHYSICAL EDUCATION:

Prescribed Books:

1. Health and Physical Education, Class-XII, Published by New Saraswati House

Term I	Term II
Unit 1: Management of Sporting Events Unit 2: Children & Women in Sports Unit 3: Yoga as Preventive measure for Lifestyle Disease Unit 4: Physical Education & Sports for CWSN Unit 5: Sports & Nutrition	Unit 6: Test & Measurement in Sports Unit 7: Physiology & Injuries in Sports Unit 8: Biomechanics & Sports Unit 9: Psychology & Sports Unit 10: Training in Sports



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COMPUTER SCIENCE:

Prescribed Books:

1. NCERT Textbook for COMPUTER SCIENCE (Class XII)

Term I	Term II
Unit 1: Computational Thinking and Programming – 2 Unit 2: Computer Networks	Unit 2: Computer Networks (Cont.) Unit 3: Database Management