



BSEB Class 12 (Intermediate) SYLLABUS 2026–27

Science • Commerce • Arts / Humanities

*A student-friendly, subject-wise breakdown of units, marking scheme,
and exam pattern — with data analysis of mark distribution.*

Compiled July 2026

About This Document

This guide summarises the Bihar School Examination Board (BSEB) Class 12 / Intermediate syllabus for the 2026–27 academic session across the Science, Commerce, and Arts (Humanities) streams. It is built from publicly available syllabus summaries and organised here with charts and tables to make the structure easy to scan at a glance.

Official source (authoritative): The Bihar School Examination Board has published the full official syllabus PDF for Classes XI–XII, session 2023-25 & 2024-26, at **biharboardonline.com** (file: *Class_XI-XII_Syllabus_2023-25_and_2024-26.pdf*). Always cross-check this document, or the current-year PDF on **biharboardonline.bihar.gov.in**, before finalising your study plan — chapter lists and mark weightages can be revised by the Board from year to year.

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1 Snapshot: The Three Streams at a Glance

Bihar Board Class 12 (Intermediate) is organised into three streams. Every stream carries two compulsory language papers plus stream-specific subjects, with each subject worth 100 marks.

Stream	Core Subjects (beyond languages)	Typical Careers Ahead
Science	Physics, Chemistry, Biology / Maths, Computer Science (optional)	Engineering, Medicine, Research, Technology
Commerce	Accountancy, Business Studies, Economics	CA/CS, Banking, Management, Entrepreneurship
Arts / Humanities	History, Political Science, Geography, Sociology, Psychology (choose per school)	Civil Services, Law, Journalism, Teaching

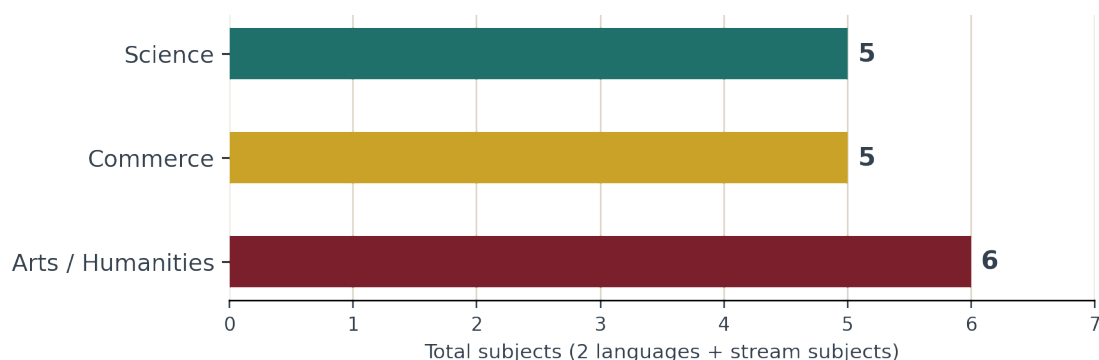


Fig 1. Number of subjects (2 compulsory languages + stream subjects) each student typically carries.

Reading the chart: All three streams carry a broadly similar subject load once the two compulsory language papers are counted. Arts students often carry one additional elective, which is why time-tabling across five subjects, starting early in the session, matters just as much in Arts as it does in Science or Commerce.

2 Data Analysis: Marking Scheme & Exam Pattern

Every BSEB Class 12 subject is worth 100 marks, but how those marks split between theory, practicals, and internal assessment depends on the subject group. The charts below break this down so you can see where to invest revision time and lab practice.

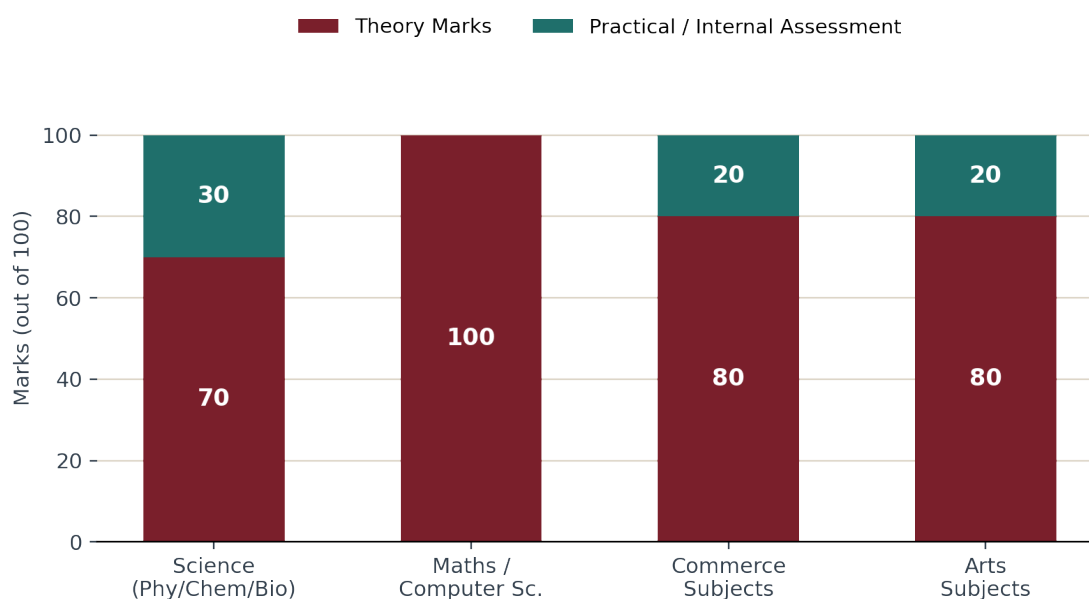
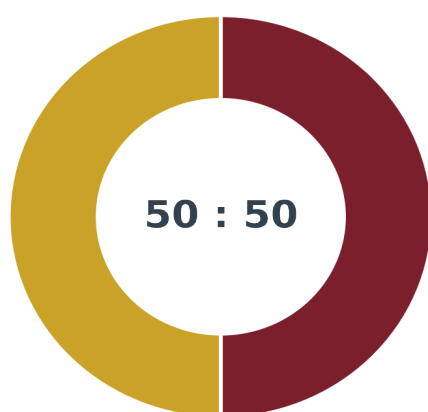


Fig 2. Theory vs. Practical / Internal Assessment split by subject group (out of 100 marks).

Key insight: Physics, Chemistry, and Biology carry a genuine 30-mark practical component — lab files, viva voce, and the practical exam are not optional extras, they are 30% of the subject score. Maths has no practical component, so all 100 marks are decided by the written paper. Most Commerce and Arts subjects keep the bulk of marks in theory, with some carrying a smaller internal-assessment component for projects and class work.



Objective (MCQ / OMR)
Subjective (Descriptive)

Fig 3. Objective (MCQ/OMR) vs. subjective marks in the theory paper.

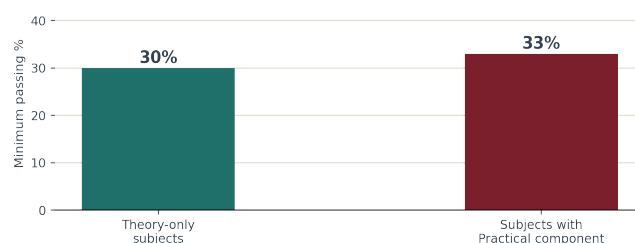


Fig 4. Minimum passing percentage by subject type.

Key insight: Exactly half of every theory paper is objective (MCQ, answered on an OMR sheet). Students who only rehearse long-answer writing are leaving half the paper's marks under-practised. Passing requires 30% in theory-only subjects, and 33% in subjects with a practical component — met independently in theory and practical, not as a combined average.

3 Science Stream — Subject-wise Syllabus

Core subjects: Physics, Chemistry, Biology (or Computer Science), Mathematics, plus two compulsory language papers (Hindi/English).

Physics — 70 Theory + 30 Practical

How forces, charges, and fields govern the physical world.

Unit / Topic	What It Covers
Electrostatics	Electric charges and fields, electrostatic potential and capacitance.
Current Electricity	Ohm's law, resistivity, circuits, Kirchhoff's rules.
Magnetic Effects & EMI	Magnetic effects of current, electromagnetic induction, alternating current.
Electromagnetic Waves	Nature and spectrum of EM waves.
Optics	Ray optics, optical instruments, wave optics and interference.
Dual Nature of Matter	Photoelectric effect, matter waves.
Atoms & Nuclei	Atomic models, radioactivity, nuclear energy.
Electronic Devices	Semiconductors, diodes, transistors, logic gates.

Chemistry — 70 Theory + 30 Practical

Three flavours in one subject: physical, inorganic, and organic chemistry.

Unit / Topic	What It Covers
Physical Chemistry	Solutions, electrochemistry, chemical kinetics, surface chemistry.
Inorganic Chemistry	Coordination compounds; general principles of isolation of elements.
Organic Chemistry	Haloalkanes/haloarenes, alcohols, phenols, aldehydes, amines, biomolecules, polymers.

Biology — 70 Theory + 30 Practical

The study of life, from reproduction to ecosystems.

Unit / Topic	What It Covers
Reproduction	Reproduction in organisms, sexual reproduction in plants and humans.
Genetics & Evolution	Heredity, molecular basis of inheritance, evolution.
Biology & Human Welfare	Health and disease, microbes in human welfare.
Biotechnology	Principles, processes, and applications of biotechnology.
Ecology & Environment	Organisms and populations, ecosystems, biodiversity, environmental issues.

Mathematics — 100 Theory (no practical)

The highest-weightage unit is Calculus — daily problem-solving is non-negotiable.

Unit / Topic	What It Covers
Relations & Functions	Types of relations/functions, inverse trigonometric functions.
Algebra	Matrices and determinants.

Calculus	Continuity, differentiability, applications of derivatives, integrals, differential equations — the largest unit by marks.
Vectors & 3D Geometry	Vector algebra and three-dimensional geometry.
Linear Programming	Formulating and solving LPP problems.
Probability	Conditional probability, Bayes' theorem, probability distributions.

Computer Science (optional in place of Biology)

A head-start subject for the digital economy.

Unit / Topic	What It Covers
Programming Concepts	Fundamentals of programming logic and structures.
Data Structures	Basic data structures and their applications.
Computer Networks	Networking basics and communication concepts.
Database Management	Introductory database concepts and management basics.

4 Commerce Stream — Subject-wise Syllabus

Core subjects: Accountancy, Business Studies, Economics, plus two compulsory language papers.

Accountancy — 80 Theory + 20 Internal Assessment (indicative)

The language businesses use to record and report financial health. Format and neatness earn marks.

Unit / Topic	What It Covers
Partnership Accounts	Profit & loss sharing, admission of a new partner, dissolution of a firm.
Company Accounts	Share and debenture accounting for companies.
Financial Statement Analysis	Tools for analysing company financial statements.
Cash Flow Statements	Preparing and interpreting cash flow statements.
Computerised Accounting	Introduction to computer-based accounting systems.

Business Studies — 80 Theory + 20 Internal Assessment (indicative)

A wide-angle view of how organisations actually function.

Unit / Topic	What It Covers
Principles & Functions of Management	Nature, principles, and functions of management.
Business Finance & Marketing	Financial management decisions and marketing strategy.
Organising & Staffing	Organisational structures, staffing, and directing.
Consumer Protection	Consumer rights and protection under Indian law.

Economics — 80 Theory + 20 Internal Assessment (indicative)

Split into two equally-weighted halves.

Unit / Topic	What It Covers
Macroeconomics	National income, the banking system, government budget, foreign trade.
Indian Economic Development	India's economic story since independence, policy shifts, sustainable development.

5 Arts / Humanities Stream — Subject-wise Syllabus

Core subjects (school-dependent electives): History, Political Science, Geography, Sociology, Psychology, Home Science, Philosophy, Entrepreneurship — plus two compulsory language papers.

History — 80 Theory + 20 Internal Assessment (indicative)

Understanding why empires rose and fell, not just memorising dates.

Unit / Topic	What It Covers
Ancient India	Early societies, themes from ancient Indian history.
Medieval India	Political and social developments of the medieval era.
Modern India	Colonialism, the freedom struggle, and independence.

Political Science — 80 Theory + 20 Internal Assessment (indicative)

Indian governance alongside global politics.

Unit / Topic	What It Covers
Indian Politics	The Constitution, elections, political parties, coalition politics.
World Politics	The Cold War, rise of new powers, India's foreign policy, international organisations.

Geography — 80 Theory + 20 Internal Assessment (indicative)

People and places, with scoring-friendly map work.

Unit / Topic	What It Covers
Human Geography	Population, settlements, and human activities.
Resources & Development	Resource distribution, agriculture, industries.
Transport, Communication & Trade	Transport networks, communication systems, international trade.
Map Work	Political and physical map practice — a high-return, low-time-cost component.

Sociology — 80 Theory + 20 Internal Assessment (indicative)

The structures that shape human life.

Unit / Topic	What It Covers
Indian Society	Structure of Indian society — family, community, caste, gender, religion.
Social Change in India	Processes and forces of social change and their impact.

Psychology — 80 Theory + 20 Internal Assessment (indicative)

How we think, feel, remember, and behave.

Unit / Topic	What It Covers
Intelligence & Personality	Theories of intelligence and personality assessment.
Stress & Its Management	Sources of stress and coping strategies.

Social Influence & Group Dynamics	How groups and social contexts shape behaviour.
Psychological Disorders & Therapy	Common disorders and therapeutic approaches.

6 English (Compulsory for All Streams)

English is compulsory for every Class 12 student in Bihar, regardless of stream, and the syllabus is identical across Science, Commerce, and Arts.

English Language

Board English rewards organised writing and grammar, not just spoken fluency.

Unit / Topic	What It Covers
Reading Comprehension	Unseen passages testing comprehension and inference.
Writing Skills	Essays, formal letters, and reports.
Grammar	Applied grammar questions.
Literature	Questions based on prescribed Bihar Board English textbooks.

7 Preparation Strategy & Key Takeaways

- **Read before you study.** Spend 2–3 hours at the start of the session reading the full syllabus for every subject before opening a textbook — it gives you a map of the entire year.
- **Practise objective questions daily.** Since 50% of every theory paper is MCQ-based, dedicate at least as much time to objective practice as to long-answer writing.
- **Don't skip practicals.** In Physics, Chemistry, and Biology, the 30-mark practical component is scored separately — lab files and viva prep matter as much as theory revision.
- **Weight your revision by unit size.** In Maths, Calculus alone carries the largest share of marks; in Biology, diagrams (heart, nephron, DNA) earn marks explanations alone cannot.
- **Track both minimums.** Passing needs 30% (theory-only) or 33% (theory+practical, met separately in each) — know which threshold applies to each of your subjects.
- **Use the syllabus as a living checklist.** Tick off topics as you finish them, and use the full list again in the final weeks before boards as a revision audit.
- **Verify against the official PDF.** Treat this document as a planning aid — confirm final chapter lists and weightages against the official BSEB syllabus PDF before exams.

“Studying without the syllabus is like cooking without a recipe. You might put in a lot of effort, but the result is unpredictable.”

Disclaimer: This document is an independently compiled study reference, not an official BSEB publication. Subject lists, unit titles, and mark distributions summarise commonly reported syllabus structure and may not reflect every recent revision. For the authoritative, board-issued syllabus, refer to the official Bihar Board website (biharboardonline.bihar.gov.in) or the linked official PDF at biharboardonline.com.