

CBSE Class 10: High-Weightage Chapters for Board Success

CBSE Class 10 Mathematics (Standard): High-Weightage Chapters

This list prioritizes the most reliable units for securing marks, which is the best approach for a focused passing strategy.

Chapter/Unit	Key Topics to Master for Standard	Weightage Priority for Passing
Arithmetic Progressions (AP)	Finding the n^{th} term and Sum of n terms (S_n). Focus on complex word problems where you must form two equations to find a and d .	High (Guaranteed 6-8 Marks): These problems are highly predictable in their structure.
Quadratic Equations	Solving using the quadratic formula, finding the nature of roots (using the Discriminant D). Crucially, master word problems where you have to set up the quadratic equation from the given scenario.	High (Guaranteed 8-10 Marks): The word problems are often the 4/5-mark questions in this unit.
Some Applications of Trigonometry	Problems involving angles of elevation and depression. Practice scenarios involving two observation points or two simultaneous objects (e.g., a lighthouse and a ship).	High (Guaranteed 5 Marks): Focus on drawing the correct diagram—this is half the solution.
Statistics	Finding Mean, Median, and Mode (using all three methods), and drawing the Ogive (Less Than and More Than types).	High (Guaranteed 8-10 Marks): Ensure your calculations for frequency and class intervals are error-free; this is the most reliable scoring unit.
Circles	Theorems involving tangents (especially the one about tangents from an external point being equal). Focus on proof-based questions that require combining properties of tangents and angle relationships.	Medium (Guaranteed 4-5 Marks): These are often direct applications of the two main theorems.
Real Numbers & Polynomials	Finding the HCF and LCM using the prime factorization method, and the relationship between zeroes and coefficients of a polynomial.	Medium (Guaranteed 6 Marks): These are short, fast questions that quickly add up to essential marks.

Standard Math Focus Tip

For the **Standard** paper, don't just memorize the formulas; practice enough problems so you can **identify the formula needed** instantly in a complex word problem. The difference between Standard and Basic often lies in the wording and complexity of the problem-solving setup, not in the core concepts.

2. Science (Physics, Chemistry, Biology)

The Science paper is divided into three sections. Focusing on these core topics guarantees coverage of the mandatory questions.

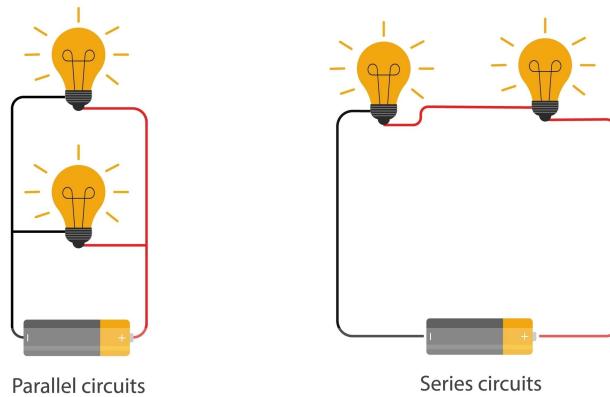
Chemistry (Approx. 25 Marks)

Chapter/Unit	Key Topics to Master	Weightage Priority for Passing
Chemical Reactions and Equations	Balancing chemical equations and identifying the 5 types of reactions (especially Redox).	High (Guaranteed 6-8 Marks): The fundamental skill needed for all of Chemistry.
Carbon and Its Compounds	Nomenclature of simple carbon compounds, Homologous Series , and Micelle formation (soaps/detergents).	High (Guaranteed 7-10 Marks): Focus on the easy structural and functional group rules.
Acids, Bases, and Salts	pH scale and its daily applications, Preparation and Uses of common salts (e.g., Bleaching Powder, Plaster of Paris).	Medium-High (Guaranteed 6 Marks): Mostly direct, short-answer questions.

Physics (Approx. 25 Marks)

Chapter/Unit	Key Topics to Master	Weightage Priority for Passing
Electricity	Ohm's Law, calculating Equivalent Resistance in series/parallel circuits, and Joule's Law of Heating ($H = I^2Rt$).	

Parallel and Series circuits



| **Highest (Guaranteed 10+ Marks):** Formula-based numerical problems are highly predictable and essential for clearing the paper. |

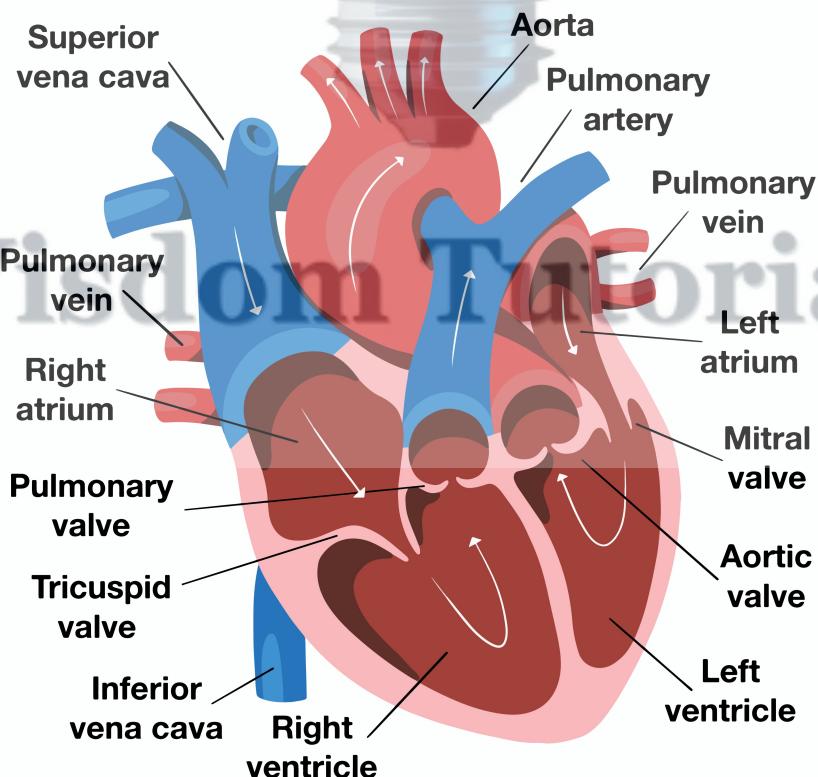
| **Light - Reflection and Refraction | Sign conventions, drawing Ray Diagrams** for mirrors and lenses (especially convex lens), and using the Lens/Mirror Formula ($\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$). | **High (Guaranteed 8-10 Marks):** Focus on the numerical part and the few crucial diagrams. |

| **Magnetic Effects of Electric Current | Solenoid, Electromagnetic Induction, and Fleming's Left-Hand Rule. | Medium (Guaranteed 4-6 Marks):** Conceptual, non-numerical questions are common here. |

Key Takeaway: The **Electricity** unit is arguably the single most important unit in CBSE Physics for students aiming to secure a passing grade, as the numerical problems are standardized and heavily weighted.

Biology (Approx. 25 Marks)

Chapter/Unit	Key Topics to Master	Weightage Priority for Passing
Life Processes	Nutrition (Human & Plant), Respiration (aerobic/anaerobic), and the structure of the Human Heart (double circulation).	Highest (Guaranteed 12+ Marks): The largest chapter; mastering its diagrams and flow charts is essential.



in plants). | High (Guaranteed 6-8 Marks): Conceptual and diagram-heavy questions are reliable scorers. |

| Heredity and Evolution | Mendel's Laws (Monohybrid cross), and basic terms like Genotype, Phenotype, and Gene. | Medium (Guaranteed 5-7 Marks): Focus on definitions and the simplest cross problems. |

3. Social Science (History, Civics, Geography, Economics)

Geography & Economics (Approx. 40 Marks)

Chapter/Unit	Key Topics to Master	Weightage Priority for Passing
Water Resources & Agriculture (Geography)	Map Work (Dams and Major Crop Areas) and the classification of Rabi/Kharif crops .	High (Guaranteed 6-8 Marks + 5 Map Marks) : Map work is the easiest 5 marks to secure.
Development (Economics)	Defining development and comparing countries using Per Capita Income, HDI, and Infant Mortality Rate .	High (Guaranteed 5-7 Marks) : Easy, definition-based unit to start your Economics prep. 
Sectors of the Indian Economy (Economics)	Distinguishing between the Primary, Secondary, and Tertiary sectors and explaining the Rising Importance of the Tertiary Sector .	High (Guaranteed 6-8 Marks) : Very predictable conceptual questions.

History & Political Science (Approx. 40 Marks)

Chapter/Unit	Key Topics to Master	Weightage Priority for Passing
Nationalism in India (History)	The major movements: Non-Cooperation, Civil Disobedience , and the Salt March . Focus on their causes and impact.	Highest (Guaranteed 10+ Marks) : This is the core of the history syllabus and is always heavily tested.
Power Sharing (Political Science/Civics)	Understanding horizontal and vertical power sharing and the concept of Majoritarianism (e.g., Sri Lanka).	High (Guaranteed 6-8 Marks) : Factual, easy-to-answer 3 and 5-mark questions.
Political Parties (Political Science/Civics)	Functions of a Political Party , and the difference between National and State parties .	Medium (Guaranteed 5 Marks) : Direct questions on roles and functions.

By mastering these selected chapters, you build a robust and secure foundation, easily covering the essential passing criteria and allowing you to comfortably attempt the remaining questions.

As Swami Vivekananda said: 'उठो, जागो और तब तक मत रुको जब तक लक्ष्य प्राप्त न हो जाए।'

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