

School Plus+ Program – Class X (1 – Year)

Master Fundamentals, Ace Exams, Score 95%+

About the Course

The Class X CBSE/ICSE Achievers Course is specially designed for students targeting 95%+ in board exams. It is a high-performance, results-driven program for serious learners, focusing on concept clarity, problem-solving skills, speed, and accuracy. The course covers Mathematics and Science (Physics, Chemistry, Biology) and integrates regular tests, doubt-clearing sessions, and performance tracking to ensure students stay on track.

Objectives to Achieve

- **For Students:** Master key concepts, develop confidence, tackle challenging questions, and cultivate an exam-ready mindset.
- **For Parents:** Receive structured guidance, progress updates, and assurance that the student is on the path to 95%+ board scores

Outcome: Students will master the syllabus, excel in problem-solving, and build consistent performance habits, transforming hard work into high marks.

SYLLABUS – X CBSE (Mathematics)

Unit	CHAPTERS	Key Topics / Focus Areas
1	Real Numbers	HCF, LCM, Fundamental Theorem of Arithmetic
2	Polynomials	Zeros of a polynomial, Factor Theorem, Remainder Theorem
3	Pair of Linear Equations in Two Variables	Substitution, Elimination, Cross-multiplication, Word problems
4	Quadratic Equations	Solving quadratic equations, Discriminant, Word problems
5	Arithmetic Progressions (AP)	n th term, sum of n terms, applications
6	Triangles	Pythagoras theorem, similarity criteria, area ratios
7	Coordinate Geometry	Distance formula, Midpoint formula, Section formula
8	Introduction to Trigonometry	Trigonometric Ratios and Identities
9	Some Applications of Trigonometry	heights & distances, angle of elevation / depression
10	Circles	Tangents, properties, lengths from external point
11	Area Related to Circle	Arc Length, Area of sector, Segments etc

12	Surface Area and Volumes	Surface area and volume of solids, combined solids, sphere, cylinder, cone
13	Statistics	Mean, Median, Mode, Graphical representation
14	Probability	Simple problems, single events, probability rules

SYLLABUS - X CBSE (Science)

Unit	CHAPTERS	Key Topics / Focus Areas
1	Chemical Reactions and Equations	Types, balancing, oxidation-reduction, exothermic / endothermic
2	Acids, Bases and Salts	Properties, pH, neutralization, reactions with metals/carbonates, salts & uses
3	Metals and Non-metals	Properties, reactivity series, reactions, corrosion, extraction
4	Carbon and its Compounds	Covalent bonding, allotropes, functional groups, hydrocarbons, key reactions
5	Life Processes	Nutrition, Respiration, Transport, Excretion
6	Control and Coordination	Nervous system, hormones, reflexes, plant movements
7	How do Organisms Reproduce?	Asexual & sexual, human reproductive system, menstrual cycle
8	Heredity	Mendel's laws, traits, variation, evolution
9	Light - Reflection and Refraction	Laws, mirrors, lenses, total internal reflection
10	The human Eye and the Colorful World	Eye structure, defects & correction, dispersion, atmospheric phenomena
11	Electricity	Ohm's law, resistance, series/parallel circuits, heating effect, power
12	Magnetic Effects of Electric Current	Magnetic field, solenoid, electromagnet, motor & generator
13	Our Environment	Ecosystem, natural resources, biodiversity, pollution, conservation

Transformation on Course Completion

Students will master key concepts in Maths and Science, confidently tackle board questions, and develop a disciplined, exam-ready mindset. Parents can expect consistent progress updates, structured guidance, and the highest likelihood of 95%+ scores. Learners emerge fully prepared, confident, and capable of achieving top marks, turning effort into tangible success.

	MON	TUE	WED	THU	FRI	SUN
Class Timings:	4 – 5:30 PM	4 – 5:30 PM	4 – 7 PM	4 – 5:30 PM	4 – 5:30 PM	8 – 9 AM
Objective	Maths	Science (B/P)	Doubts & Practice	Maths	Science (C/P)	Test Series (Monthly)

Classroom Program (X, ICSE)

	MON	TUE	WED	THU	FRI	SAT
Class Timings:	4 – 5:30 PM	4 – 5:30 PM	4 – 7 PM	4 – 5:30 PM	4 – 5:30 PM	4 – 5:30 PM
Objective	Maths	PHY/BIO	Doubts & Practice	Maths	CHM/PHY	CHM/BIO
				Test Series (Monthly), SUN 8 – 9 AM		

Additional Support

The program offers revision classes, detailed study material (DPP), guidance on exam temperament, time management, and self-discipline, along with mentorship to monitor progress and motivate consistent learning habits.

- ✓ Revision classes before school exams to reinforce concepts.
- ✓ Guidance on exam temperament, time management, and self-discipline.
- ✓ Mentorship to monitor progress and encourage consistent learning.
- ✓ Mini – Library of top Books.

Mentor & Credentials

The program is led by **highly experienced educators**:

- **Ramesh Chandra**, B.Tech, IIT Kanpur, with over **15 years of teaching Mathematics & Physics**.
- **Jayant Randive**, Senior NEET Professor, specializing in **Biology**.
- **Nachiket Sir**, Senior JEE Main/ Advanced trainer, expert in **Chemistry**.

Their combined expertise ensures students gain **concept clarity, expert guidance, and competitive-exam readiness** from day one, providing a strong foundation for **95%+ board scores** and beyond.

Regards

Ramesh Chandra B.Tech IIT Kanpur

Mathsarc Education LLP

www.mathsarc.com