



SYLLABUS

Grade 10 - Maths Curriculum





Nex Classes is a leading live-class platform



Aligned with
CBSE curriculum



Aligned with
CISCE curriculum





Syllabus Content

Our comprehensive evaluation identifies each student's current proficiency level, discovering areas that require improvement.

Real Number

The Fundamental Theorem of Arithmetic, Revisiting Irrational Numbers

Polynomials

Introduction, Geometrical Meaning of the Zeroes of a Polynomial, Relationship between Zeroes and Coefficients of a Polynomial

Pair of Linear Equations In Two Variables

Graphical Method of Solution of a Pair of Linear Equations, Algebraic Methods of Solving a Pair of Linear Equations, Substitution Method and Elimination Method





Quadratic Equations

Introduction, Quadratic Equations, Solution of a Quadratic Equation by Factorisation, Nature of Roots

Arithmetic Progressions

Arithmetic Progressions, n th Term of an AP, Sum of First n Terms of an AP

Triangles

Introduction, Similar Figures, Similarity of Triangles, Criteria for Similarity of Triangles

Coordinate Geometry

Introduction, Distance Formula, Section Formula

Introduction to Trigonometry

Trigonometric Ratios, Trigonometric Ratios of Some Specific Angles, Trigonometric Identities





Some Applications of Trigonometry

Heights and Distances

Circles

Angle Subtended by a Chord at a Point, Perpendicular from the Centre to a Chord, Equal Chords and their Distances from the Centre, Angle Subtended by an Arc of a Circle, Cyclic Quadrilaterals

Areas Related to Circles

Areas of Sector and Segment of a Circle

Surface Area and Volume

Surface Area of a Combination of Solids, Volume of a Combination of Solids

Statistics

Introduction, Mean of Grouped Data, Mode of Grouped Data, Median of Grouped Data

Probability

Probability — A Theoretical Approach

