



SYLLABUS

Grade 9 - 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.

Number Systems

Irrational Numbers, Real Numbers and their Decimal Expansions, Operations on Real Numbers, Laws of Exponents for Real Numbers

Polynomials

Polynomials in One Variable, Zeroes of a Polynomial, Factorisation of Polynomials, Algebraic Identities

Coordinate Geometry

Cartesian System

Linear Equations in Two Variables

Linear Equations, Solution of a Linear Equation





Introduction to Euclid's Geometry

Euclid's Definitions, Axioms and Postulates

Lines and Angles

Basic Terms and Definitions, Intersecting Lines and Non-intersecting Lines, Pairs of Angles, Lines Parallel to the Same Line

Triangles

Congruence of Triangles, Criteria for Congruence of Triangles, Some Properties of a Triangle, Some More Criteria for Congruence of Triangles

Quadrilaterals

The Mid-point Theorem, Properties of a Parallelogram

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





Heron's Formula

Area of a Triangle – by Heron's Formula

Surface Areas and Volumes

Surface Area of a Right Circular Cone, Surface Area of a Sphere, Volume of a Right Circular Cone, Volume of a Sphere

Statistics

Graphical Representation of Data

