



Grade 6

- **Number System**

Whole Numbers, Integers, and Rational Numbers
Fractions, Decimals, and Percents
Factors and Multiples
Prime Factorization

- **Arithmetic**

Operations on Numbers: Addition, Subtraction, Multiplication, and Division
Fractions and Decimal Operations
Ratios and Proportions

- **Geometry**

Basic Shapes and Properties (Triangles, Quadrilaterals, Circles)
Angles (Acute, Obtuse, Right)
Symmetry and Reflection

- **Algebra**

Basic Concepts of Algebra
Variables, Constants, and Expressions
Simple Equations (Linear)

- **Mensuration**

Perimeter, Area, and Volume of Basic Geometrical Shapes
Surface Area of Cubes and Cuboids

- **Data Handling**

Bar Graphs and Pictograms
Mean, Median, Mode



Math Syllabus!



Grade 7

- **Integers and Rational Numbers**

Operations on Integers (Addition, Subtraction, Multiplication, and Division)

Rational Numbers and their Operations

- **Algebra**

Algebraic Expressions and Identities

Simplification of Expressions

Linear Equations in One Variable

- **Geometry**

Triangles (Types, Properties)

Properties of Parallel Lines

Construction of Triangles and Other Polygons

- **Mensuration**

Area and Perimeter of Complex Figures (Rectangles, Parallelograms, Circles)

Surface Area and Volume of 3D Shapes (Cubes, Cylinders)

- **Data Handling**

Frequency Distribution and Cumulative Frequency

Probability (Basic Concepts and Probability Experiment)

The syllabus will be customized based on the student's board and individual needs.



Math Syllabus!



Grade 8

- **Linear Equations in One Variable**
Solving Equations using Various Methods
- **Algebra**
Factorization of Polynomials
Introduction to Quadratic Equations
- **Geometry**
Understanding Congruence of Triangles
Properties of Quadrilaterals (Rectangle, Square, Parallelogram, etc.)
Circles: Chords, Radius, Diameter, and Circumference
- **Mensuration**
Surface Area and Volume of Solids (Cone, Sphere, Cylinder)
- **Data Handling**
Graphical Representation of Data (Bar Graphs, Histograms, Line Graphs)
Measures of Central Tendency: Mean, Median, Mode
- **Statistics**
Introduction to Probability

The syllabus will be customized based on the student's board and individual needs.



Math Syllabus!



Grade 9

- **Number System**

- Real Numbers and their Properties
- Laws of Exponents
- Surds and Indices

- **Algebra**

- Polynomials (Degree, Addition, Subtraction, Multiplication)
- Factorization of Polynomials
- Linear Equations in Two Variables

- **Coordinate Geometry**

- Cartesian Plane and Coordinates
- Distance Formula, Section Formula, Midpoint Formula

- **Geometry**

- Triangles: Types, Properties, and Proofs (Congruence and Similarity)
- Area of Similar Triangles
- Circles: Tangents and Secants

- **Mensuration**

- Surface Area and Volume of Solids (Cylinder, Cone, Sphere)

- **Statistics**

- Probability
- Graphs: Histograms, Ogives, and Frequency Curves

The syllabus will be customized based on the student's board and individual needs.



Math Syllabus!



Grade 10

- **Algebra**

- Quadratic Equations (Factorization, Completing the Square, Formula)

- Arithmetic Progression (AP)

- Polynomials (Roots, Zeros, Factorization)

- **Geometry**

- Coordinate Geometry (Slope of a Line, Equation of a Line, Distance Formula)

- Triangles & Circles

- **Mensuration**

- Surface Area and Volume of Solids (Cylinders, Cones, Spheres)

- Area of a Circle, Sector, and Segment

- **Statistics and Probability**

- Measures of Central Tendency (Mean, Median, Mode)

- Probability (Events, Sample Space, Theorems)

- **Real Numbers**

- Euclid's Division Lemma and Applications

- LCM and HCF: Methods and Applications

- **Trigonometry**

- Basic Trigonometric Ratios and Identities

- Applications of Trigonometry (Height and Distance Problems)

The syllabus will be customized based on the student's board and individual needs.