

# CBSE Class 8 Syllabus

**Subjects: Physics, Chemistry & Mathematics**

## Physics

Chapter	Topics
Force and Pressure	Types of forces; Pressure and its applications; Atmospheric pressure
Friction	Factors affecting friction; Advantages and disadvantages; Rolling and sliding friction
Sound	Vibrations and production of sound; Propagation of sound; Characteristics of sound (loudness, pitch, amplitude)
Chemical Effects of Electric Current	Conductors and insulators; Electroplating; Chemical reactions related to electricity
Light	Laws of reflection; Regular and diffused reflection; Human eye (basic structure and working)

## Chemistry

Chapter	Topics
Synthetic Fibres and Plastics	Types of fibres; Properties and uses; Environmental effects
Metals and Non-Metals	Physical and chemical properties; Reactions and uses
Coal and Petroleum	Fossil fuels; Uses and limitations; Natural gas
Combustion and Flame	Types of combustion; Structure of a flame; Fuel efficiency
Pollution of Air and Water	Causes and effects; Prevention and control measures

## Mathematics

Chapter	Topics
Rational Numbers	Properties of rational numbers; Operations; Representation on number line
Linear Equations in One Variable	Forming and solving linear equations; Applications
Understanding Quadrilaterals	Types of polygons; Properties of special quadrilaterals
Practical Geometry	Construction of quadrilaterals and related constructions
Data Handling	Bar graphs; Pictographs; Introduction to probability (basic)
Squares & Square Roots / Cubes & Cube Roots	Calculating squares, square roots, cubes and cube roots; Prime factorisation method
Mensuration	Area and perimeter of plane figures; Surface area and volume of solids

Algebraic Expressions & Identities	Addition, subtraction, multiplication of expressions; Standard identities and applications
Factorisation	Methods: common factor, regrouping, using identities
Introduction to Graphs	Plotting points; Reading and interpreting basic graphs

*Note: This syllabus is a concise outline for CBSE Class 8 topics in Physics, Chemistry and Mathematics. Use it for planning tests and lessons.*