

# Class 9 Physics New Syllabus Contents

## Chapter Name

## Section

### Ch1 – Physical Quantities & Measurements

- Physical & Non-Physical Quantities
- International System of Units
- Mass Measuring Instruments
- Errors in Measurements

### Ch2 – Kinematics

- Scalar and Vector Quantity
- Different Types of Motions
- Velocity
- Distance & Speed time graph

### Ch3 – Dynamics

- Force & its types
- Newton's laws
- Action & Friction

### Ch4- Turning Effects of Forces

- Parallel and Resultant Forces
- Equilibrium
- Centripetal Force

### Ch5 – Work, Energy & Power

- Work
- Energy
- Power

### Ch6 – Mechanical Properties of Matter

- Hook's Law
- Density
- Pressure & Pascal Law

### Ch7 – Thermal Properties of Matter

- Force of Attraction
- Conversion of Temperature

### Ch8 – Magnetism

- Electromagnets
- Magnetism

### Ch9 – Nature of Science

- Interdisciplinary Nature of Physics