

SUBJECT- Physics

Sl No.	Month	Chapter	Learning Outcome
1	May	BRIDGE CLASSES	<ul style="list-style-type: none"> ○ Understand the scope and excitement of physics. ○ Fundamental concept of graph, trigonometry ○ Concept of differentiation and integration ○ Application of differential equation
2	June	Physical World and Measurement	<ul style="list-style-type: none"> ○ Understand the scope and excitement of physics. ○ Recognize the need for measurement and units. ○ Apply dimensional analysis in solving physical problems. ○ Differentiate between fundamental and derived units. ○ Understand accuracy, precision, and significant figures
3	July	Kinematics Laws of Motion	<ul style="list-style-type: none"> ○ Understand the concept of motion in a straight line. ○ Apply equations of motion for uniformly accelerated motion. ○ Analyse motion in a plane using vectors. ○ Understand the concept of projectile motion. ○ Grasp Newton's laws of motion and their applications. ○ Understand the concept of force and inertia. ○ Apply the concept of friction and analyse motion in the presence of friction. ○ Understand the dynamics of circular motion.
4	August	Work, Energy, and Power System of Particles and Rotational Motion	<ul style="list-style-type: none"> ○ Define work, energy, and power. ○ Apply the work-energy theorem. ○ Understand the concept of conservative and non-conservative forces. ○ Analyse collisions and calculate kinetic and potential energy. ○ Understand the centre of mass and its motion. ○ Analyse rotational motion and understand the moment of inertia. ○ Apply theorems related to the moment of inertia. ○ concept of torque and angular momentum
5	September	Gravitation	<ul style="list-style-type: none"> ○ Grasp Newton's law of gravitation. ○ Understand the concepts of gravitational field and potential. ○ Apply the principles of gravitation to planetary

