CONTINUOUS LEARNING PROCESS (CLP)

CLASS IX

PHYSICS

S.No	MONTH	CHAPTER	LEARNING OUTCOME
1	APRIL.	Ch - 8 MOTION	STUDENTS WILL BE ABLE TO –
		Introduction ,Rest ,Motion , Distance ,Displacement , Uniform and Non uniform motion, speed, velocity acceleration, Retardation, numerical problem. Graph- concept and uses.	*Get aware about meaning of rest and motion. *Differentiate between distance and displacement. *Calculate the average speed and other different physical quantities. *Learn the units and formula of the physical quantities.
2	MAY.	Ch – 8 MOTION	STUDENTS WILL BE ABLE TO-
		Graphical representation V- T, D -T Numerical based graphs, Equations of motion, Circular motion	*Understand and can read speed, acceleration and distance from various graphs. *Evaluate speed, acceleration and distance from various graphs. *Evaluate speed in circular motion. *Represent motion for a given situation in graphical manner.
3.	JULY.	Ch – 9 FORCE AND LAWS OF MOTION	STUDENT WILL BE ABLE TO-
		Force and its effects, Balance and unbalanced forces, Inertia, Newton's laws of Motion, Numerical problems.	*Understand and learn about force and its effects. *Differentiate between balanced and Unbalanced forces. *Evaluate the numerical values of force and momentum. *Explain inertia and the laws of motion in life situations.
4.	AUG.	Ch – 9 FORCE AND LAWS OF MOTIONS	STUDENT WILL ABLE TO-
		Reasoning questions based on laws of motion, Conservation of momentum, Numerical problems.	*Understand the meaning of conservation. *Understand the concept of conservation of momentum. *Calculate change in momentum in different situations. *Explain and understand the reasoning questions based on laws of motion and law of conservation of momentum.

5.	SEP.	Ch – 10 GRAVITATION	STUDENTS WILL BE ABLE TO-
		Universal law of gravitation and its importance. Relation between 'g' and 'G' Difference- Between 'g' and 'G'.	*Understand the concept of gravitational force by Knowing Newton's law of gravitation. *Evaluate the value of 'G' *Calculate the weight of a given object on moon and earth. *Explain the reasoning questions.
6.	OCT	Ch -11 WORK AND ENERGY	STUDENTS WILL BE ABLE TO -
		Introduction, work, Work done by constant force, positive and negative work.	*Understand the meaning of work according to science. *Role of force in displacement. *Evaluate the work done. *Identify positive and negative work done in surrounding.
7.	NOV	Ch-11 WORK AND ENERGY	STUDENTS WILL BE ABLE TO -
		Energy, its forms, kinetic energy, expression for K.E, Numericals on K.E.	*Understand and define energy. *Know various forms of energy. *Identify the kinetic energy with examples from Surroundings. *Evaluate kinetic energy by using formula.
8.	DEC	Ch-11 WORK AND ENERGY	STUDENTS WILL BE ABLE TO –
		Potential energy, Derive an expression for P.E *Numericals on P.E. *Transformation of energy.	*Understand and define potential energy. *Derive an expression for P.E. *identify the P.E with examples from surroundings. *Evaluates P.E by using formula.
9.	JAN	Ch-11 WORK AND ENERGY	STUDENTS WILL BE ABLE TO –
		Law of conservation of energy, Conversion of K.E to P.E in freefall , power, Relation between S.I and Commercial unit of energy Numerical problems	*Understand and identify transformation of energy. *Evaluate power by using formula. *Convert electrical energy in units. *Understand and solve the reasoning based questions from surroundings.