

Term	Date	Focus	Summary	Learning Outcomes	
Term 2	02/01/23	Physics: Electricity	Circuit Symbols and Diagrams Current in Series	Use your knowledge to identify circuit symbols Use your knowledge to draw circuit diagrams Use your knowledge to explain how a multiple cells are drawn* Use your knowledge to describe what is meant by current Use your knowledge to describe how an ammeter is used Use your knowledge to explain why current is the same in a series circuit	
	09/01/23	Physics: Electricity	Voltage in Series Resistance Conductors and Insulators	Use your knowledge to describe what is meant by voltage Use your knowledge to describe how to use a voltmeter Use your knowledge to explain how voltage changes in a series circuit Use your knowledge to calculate resistance Use your knowledge to collect data for an investigation Use your knowledge to plot data onto a graph Use your knowledge to draw a parallel circuit Investigate where parallel circuits are used Construct a parallel circuit with 2 bulbs	
	16/01/23	Physics: Electricity Physics: Magnetism	Electricity Retrieval Practical Permanent Magnets	Evaluate your knowledge of the Electricity topic Use your knowledge to describe how to draw a magnetic field Use your knowledge to describe how magnets can attract or repel Use your knowledge to list materials that are magnetic	
	23/01/23	Physics: Magnetism	Electromagnets Introduction Electromagnet Investigation Motors	Use your knowledge to list the components needed for an electromagnet Use your knowledge to explain how we can increase the strength of an electromagnet Use your knowledge to plan an investigation Setup a practical safely Use your knowledge to collect data Evaluate data to identify a trend Use your knowledge to list the components of a motor Use your knowledge to investigate where motors are used Use your knowledge to list factors that affect the speed of a motor	
	30/01/23	Physics: Magnetism	Generators Magnetism Retrieval Practice	Use your knowledge to list the components of a generator Use your knowledge to investigate where generators are used Use your knowledge to list factors that affect the output of a generator Evaluate your knowledge of the Magnetism topic	
	06/02/23	Physics SDT-Moments	Speed-Distance-Time Distance-Time Graphs Velocity-Time Graphs	Use your knowledge to state the units of speed, distance and time Use your knowledge to state the formula with speed, distance and time Apply the formula for speed, distance and time Use your knowledge to explain what is meant by acceleration Use your knowledge to link lines on distance time graphs to motion Construct a distance time graph Use your knowledge to link lines on a velocity time graph to the motion Use your knowledge to draw a velocity time graph Use your knowledge to extract information from a velocity time graph	
	13/02/23	School Break Half Term February			
	20/02/23	Physics SDT-Moments	Moments Moments Investigation	Use your knowledge to describe what is meant by a moment Use your knowledge to state the formula for moments Calculate a moment given the formula Use your knowledge to set up a practical safely Use your knowledge to collect data Use your knowledge to explain why we should repeat experiments	
	27/02/23	Physics SDT-Moments Physics: Gas Pressure	SDT-Moments Retrieval Practice Gases Pressure of Gases	Evaluate your knowledge of the SDT-Moments topic Use your knowledge to describe the motion of particles in a gas Use your knowledge to state what is meant by volume and temperature of a gas Use your knowledge to describe the link between volume and temperature Use your knowledge to describe what is meant by pressure Use your knowledge to describe the effect of increasing pressure Use your knowledge to explain why objects may collapse if temperature drops too quickly	
	06/03/23	Physics: Gas Pressures	Pressure in liquids Pressure in solids	Use your knowledge to describe how pressure changes in a liquid Use your knowledge to explain why pressure changes in a liquid Use your knowledge to explain why dams are built thicker at the bottom Use your knowledge to state the formula for pressure Calculate pressure using the formula Calculate the pressure a person exerts on the floor	
13/03/23	Physics: Gas Pressures	Bernoulli Principle and Magnus Effect Gas Pressure Retrieval Practice	Use your knowledge to describe the Bernoulli Principle Use your knowledge to describe the Magnus Effect Use your knowledge to describe how the Magnus effect is used in sports Evaluate your knowledge of the Gas and Pressure topic		
20/03/23	Physics Retrieval	End of Term Retrieval of all Physics and Feedback	The success criteria explored for the Physics term will be assessed Evaluate your knowledge of the Physics content explored Determine the skill (Recall, Application, HSW, Maths) that is your area of strength and area of development to inform focus for next term Analyse your performance for each of the HPL Skills to determine your area of strength and area of development to inform focus for next term		