

Term	Date	Focus	Summary	Learning Outcomes
Term 3	10/04/23	Physics: Energy	Energy Types Energy Transfers	Use your knowledge to describe what energy is Use your knowledge to list different types of energy Use your knowledge to describe an example of an energy transfer Use your knowledge to give examples of energy transfers Use your knowledge to state the law of conservation of energy Use your knowledge to explain what is meant by useful and wasted energy
	17/04/23	Physics: Energy	Friction and Thermal Energy Non-Renewable Energy	Use your knowledge to describe how friction is caused Use your knowledge to describe how friction can be minimised Set up an investigation to see how weight affects friction Use your knowledge to define non-renewable energy sources Use your knowledge to give examples of non-renewable energy sources Examine the pros and cons of non-renewable sources
	24/04/23	Physics: Energy	Renewable Energy Energy Retrieval Practice	Use your knowledge to define renewable energy sources Use your knowledge to give examples of renewable energy sources Examine the pros and cons of renewable sources Evaluate your knowledge of the Energy Topic
	01/05/23	Physics : Heat Transfer	Specific Heat Capacity Conduction	Use your knowledge to describe what is meant by specific heat capacity Calculate energy transferred using the formula Use your knowledge to show everyday applications of Specific Heat Capacity Use your knowledge to describe the arrangement and motion of particles in a solid Use your knowledge to describe the effect of heating up a substance on the motion of particles Use your knowledge to explain how heat is transferred through conduction
	08/05/23	Physics: Heat Transfer	Convection Radiation	Use your knowledge to explain how particles move in a liquid Use your knowledge to describe how convection currents are formed Use your knowledge to give examples of where convection currents appear in nature Use your knowledge to describe what thermal radiation is Use your knowledge to list factors that affect the emission of thermal radiation Use your knowledge to select which the best materials for different applications
	15/05/23	Physics: Heat Transfer	Investigation - The Cooling Curve Heat Transfer Retrieval Practice	Use your knowledge to explain why fur is a good insulator Plan an investigation Analyse data and come to a conclusion Evaluate your knowledge of the Heat Transfer topic

22/05/23	Physics: Density and Kinetic Theory	Solid, Liquids and Gases Change of State	Use your knowledge to describe the motion of particles in different states of matter Use your knowledge to describe the arrangement of particles in different states of matter Use your knowledge to explain the properties of different states of matter by considering the arrangement of particles Use your knowledge to name the changes of state Research an example of deposition Research an example of sublimation
29/05/23	Physics: Density and Kinetic Theory	Cooling Curve Density	Compare heat and temperature Use your knowledge to describe what happens to temperature as a substance changes state Use your knowledge to describe what happens to heat energy when heating up a substance Use your knowledge to describe what density represents Calculate density given the formula Compare the density of different materials
05/06/23	Physics: Density and Kinetic Theory	Density Practical Density and Kinetic Theory Retrieval Practice	Measure dimensions of objects Calculate volume using the formula Calculate density using the formula Evaluate your knowledge Density and Kinetic Theory topic
12/06/23	Physics: Design and Investigation	Planning Conduct Practical	Write an investigation title. Produce a method for a scientific investigation. Write an equipment list Write a risk assessment Construct a table Collect results from a scientific investigation
19/06/23	Physics: Design and Investigation	Analysis Presenting	Draw a graph of your results. Interpret a graph of your results. Evaluate your scientific investigation Create a presentation of your scientific investigation. Outline your investigation to an audience. Evaluate a peer's investigation
26/06/23	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
03/07/23			