



Temperance Term

W/C	7th September	14th September	21th September	28th September	5 th October	12 th October	19 th October		
Торіс	Review P3- Particle Model of Matter								
			(P4 after Hazards and uses)						
	Review of Y10 home learning	Students should be a atoms or molecules.	Students should be able to explain the differences in density between the different states of matter in terms of the arrangement of atoms or molecules.						
Challenge	Grade 7, 8, 9 challenge questions	Explain the difference	Explain the differences in density between the different states of matter in terms of the arrangement of atoms or molecules.						
Assessment	Self assessment and in-class tests	End of unit exams							
W/C	2nd November	9 th November	16th November	23rd November	30 th November	7 th December			
Торіс	P2- Electricity								
	Describe the current characteristics through an ohmic conductor (at a constant temperature) is directly proportional to the potential difference across the resistor. This means that the resistance remains constant as the current changes.						CHRISTMAS		
Challenge	Limitations of the simple model above include that in the model there are no forces, that all particles are represented as spheres and that the spheres are solid.								
Assessment	End of Unit exams								





Justice Term

W/C	4 th January	11 th January	18 st January	25 th January	1st February	8 th February		
Торіс	P2 – Electricity							
	Students should be able to describe with examples where there are energy transfers in a closed system, that there is no net change to the total energy. Students should be able to explain ways of reducing unwanted energy transfers, for example through lubrication and the use of thermal insulation.							
Challenge	Identify environmental issues arising from the use of energy resources and evaluate the power to deal with the issues considering political, social, ethical or economic considerations.							
Assessment	t Mid term and end of unit exams							
W/C	22nd February	1st March	8 th March	15 th March	22 nd March	29 th March		
Торіс	P5 – Forces							
	Recall typical values of speed for a person walking, running and cycling as well as the typical values of speed for different types of transportation systems.							
Challenge	Determine speed, acceleration and distance from multiple graphs using mathematical tools such as area under line and gradient.							
Assessment	Mid term and end of unit exams							



Physics Long Term Plan Year 10 2020-21

Courage Term

W/C	19 th April	26 th April	3rd May	10 th May	17 th May	24 th May		
Торіс	P5 – Forces							
	Recall typical values of speed for a person walking, running and cycling as well as the typical values of speed for different types of transportation systems.							
Challenge	Determine speed, acceleration and distance from multiple graphs using mathematical tools such as area under line and gradient.							
Assessment	Mid term and end of unit exams							
W/C	7th June	14th June	21 st June	28th June	5 th July	12 th July		
Торіс	P7 – Electromagnetism and Magnetism							
	Year 10 M	ock Exams	Describe the use of determine the direc	SUMMER				
Challenge	Determine the resultant force on a wire from a circuit diagram, including electricity flow. Explain how to improve the strength of an electromagnet.							
Assessment				End of unit exams				