Physics Long Term Programme of Study Year 11

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	HALF TERM
Area of Study	**P7- Magnetism and Electromagnetism**					**P1- Energy**		
Core Learning	**P7-Explain how electromagnetic effects are used in a variety of devices** -Describe the differences between permanent and induced magnetism Draw the magnetic field pattern of a bar magnet -Describe how the magnetic effect of a current can be demonstrated					**P1 - There are changes in the way energy is stored when a system changes. Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations.** Revision		
Opportunities for Challenge	Show that Fleming's left-hand rule represents the relative orientation of the force, the current in the conductor and the magnetic field					Grade 7, 8, 9 challenge questions		
Assessment	End of Topic Tests					Self assessment and in-class tests		

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	CHRISTMAS
Area of Study	**P2- Electricity**		**P3- Particle Model of Matter**	**P4- Atomic Structure**	**Mocks (Paper 1)**		
Core Learning	**P2-Describe how to calculate resistance and the factors which can alter it. Describe how electricity is delivered to our homes and businesses.** Revision		**P3 – Use the particle model to predict the behaviour in solids, liquids and gases.** Revision	**P4 – Describe the structure of the atom, the nuclear forces and atom stability**. Revision			
Opportunities for Challenge	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions			

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Assessment	Self assessment and in-class tests	Self assessment and in-class tests	Self assessment and in-class tests		

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Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	HALF TERM
Area of Study	**P5- Forces**		**P6 Waves**		**P7- Magnetism and Electromagnetism**	**P8 Space Physics**	
Core Learning	**P5 Identify and measure forces acting on objects** Revision		**P6-Show how changes in velocity, frequency and wavelength, in transmission of sound waves from one medium to another, are inter-related** Revision		**P7-Explain how electromagnetic effects are used in a variety of devices** Revision	**P8-Explain the evidence for the expanding universe and the life cycle of a star** Revision	
Opportunities for Challenge	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions	
Assessment	Self assessment and in-class tests		Self assessment and in-class tests		Self assessment and in-class tests	Self assessment and in-class tests	

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	EASTER
Area of Study	**Mocks (Paper 2)**	**Science skills**	**P1- Energy**		**P2- Electricity**		
Core Learning			**P1 - There are changes in the way energy is stored when a system changes. Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations.** Revision		**P2-Describe how to calculate resistance and the factors which can alter it. Describe how electricity is delivered to our homes and businesses.** Revision		
Opportunities for Challenge		Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions		
Assessment		Self assessment and in-class tests	Self assessment and in-class tests		Self assessment and in-class tests		

Physics Long Term Programme of Study Year 11

Courage Term

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	HALF TERM
Area of Study	**P3- Particle Model of Matter**		**P4- Atomic Structure**		**Y11 on bespoke revision timetable**		
Core Learning	**P3 – Use the particle model to predict the behaviour in solids, liquids and gases.** Revision		**P4 – Describe the structure of the atom, the nuclear forces and atom stability**. Revision				
Opportunities for Challenge	Grade 7, 8, 9 challenge questions		Grade 7, 8, 9 challenge questions				
Assessment	Self assessment and in-class tests		Self assessment and in-class tests		GCSE Exams		

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	SUMMER
Area of Study							
Core Learning	Study Leave						
Opportunities for Challenge							
Assessment	GCSE Exams						