2	Aut 1	Aut 2	Spring 1	Spring 2	Summer 1	Summer 2	
Fo	rce Energy and Momentum	Force Energy and Momentum	Materials	Periodic motion 1	Periodic motion 2		Teacher 1: RIV
3.4	.11 Vectors and Scalars	3.4.1.5 Newton's laws of motion	3.4.2.1 Bulk properties of solids	3.6.1.1 Circular motion	3.6.1.2 Simple harmonic motion		
3.4	.1.2 Moments	3.4.1.6 Momentum			3.6.1.3 Simple harmonic systems		-
3.4	.1.3 Motion along a straight line	3.4.1.7 Work, energy and power	3.4.2.2 The Young modulus		3.6.1.4 Forced vibrations and resonance	1	
3.4	.1.4 Projectile motion	3.4.1.8 Conservation of energy	Required practical 4: Determination of the Young modulus by a simple method	Consolidation lesson	Required practical 7: Investigation into simple harmonic motion using a mass-spring system and a simple pendulum		
Co	nsolidation lesson	Consolidation Lesson	Consolidating lesson	Test 3.6.1.1			
Te	st 3.4.1 (1st part)	Test 3.4.1 (2nd part)	Test 3.4.2				
Re me	quired practical 3: Determination of g by a freefall the						
P2	Particles and Radiation	P2. Particles and Radiation P3. Waves	P3. Waves	P5. Electrcity	P5. Electrcity		Teacher 2: JMO
-P2	.1 Constituents of the atom	-P2.8 The photoelectric effect	-P3.3 Principle of superposition of waves and formation of station	-P5.1 Basics of Electricity	-P5.4 Circuits		
-P2	.2 Stable and unstable nuclei	-P2.9 Collisions of electrons with atoms	TEST 3.1 - 3.3	-P5.2 Current-voltage characteristics	-P5.5 Potential divider		
-P2	.3 Particles, anti-particles and photons	-P2.10 Energy levels and photon emission	-P3.4 Interference	-P5.3 Resistivity	-P5.6 Electromotive force and internal resistance		
-P2	.4 Particle interactions	-P2.11 Wave-particle duality	-P3.5 Diffraction		TEST 5.1 - 5.6		
-P2	.5 Classification of particles	TEST 2.8 - 2.11	-P3.6 Reflection at a plane surface	Consolidating lesson	Consolidating lesson		
-P2	6 Quarks and anti-quarks	-P3.1 Progressive waves	TEST 3.4 - 3.6	RP 5 Determination of the resistivity of a wire using a micrometer screw gauge, ammeter and voltmeter.	RP 6 Investigation of emf and internal resistance of electric cells and batteries by measuring the variation of the terminal pd of the cell with current in it.		
-P2	.7 Applications of conservation laws	-P3.2 Longitudinal and transverse waves	RP 2 Investigation of interference in Young's slit experiment and diffraction by a diffraction grating.				
TE	эт 2.1 - 2.7	RP 1 Investigation into the variation of the frequency of stationary waves on a string (or wire) with length, tension, and mass per unit length of string.	Consolidating lesson				

Aut 1	Aut 2	Spring 1	Spring 2	Summer 1/2
Finishing off SHM and consolidation	3.7.3.1 Coulomb's law	EXAM		
Required practical 7: Investigation into simple				
harmonic motion using a mass-spring system and	3.7.3.2 Electric field strength	3.7.5.5 Alternating currents		
a simple pendulum.				
Test on periodic motion	3.7.3.3 Electric potential	3.7.5.6 The operation of a transformer		
		Required practical 10: Investigate how the force on a wire varies		
3.7.2.1 Newton's law (A-level only)	3.7.4.1 Capacitance	with flux density, current and length of wire using a top pan		
		balance.		
		Required practical 11: Investigate, using a search coil and		
3.7.2.2 Gravitational field strength	3.7.4.2 Parallel plate capacitor	oscilloscope, the effect on magnetic flux linkage of varying		
		the angle between a search coil and magnetic field direction.		
3.7.2.3 Gravitational potential	3.7.4.3 Energy stored by a capacitor	3.12 Turning points in physics		
3.7.2.4 Orbits of planets and satellites	3.7.4.4 Capacitor charge and discharge	3.12.1.1 Cathode rays		
	3.7.5.1 Magnetic flux density	3.12.1.2 Thermionic emission of electrons		
	33.7.5.2 Moving charges in a magnetic field (3.12.1.3 Specific charge of the electron		
	3.7.5.4 Electromagnetic induction	5.12.1.4 Principle of Millikan's determination of the electronic charge,		
Consultation Learns				
	Consolidating lesson			
Test 3.7.2	Test 3.7.3/3.7.4/3.7.5			
PPE exams (Early oct)	Required practical 9: Investigation of the charge and discharge of capacitors.			
2.9 Nuclear physics	2.8.1.6 Mass and operay	EXAM		
3.8.1.1 Putherford scattering	DPE exame (Early oct)	EXAIVI	2 12 2 1 The Michelson-Morley	experiment
3.8.1.2 g. B and v radiation	2 8 1 7 Induced fission		2 12 3 2 Einstein's theory of sn	
3.8.1.3 Padioactive decay	2 8 1 8 Safety aspects			
S.S.I.S Nauloactive decay	Bequired practical 12: Investigation of the inverse-			
3.8.1.4 Nuclear instability	square law for gamma radiation		3.12.3.3 Time dilation	
3 8 1 5 Nuclear radius	TEST 3.8		3 12 3 4 Length contraction	
Test 3.6.2		3.12 Turning points in physics	3.12.3.5 Mass and energy	
PPE exams (Early oct)	3.6.2 Thermal physics	3.12.2.1 Newton's corpuscular theory of light		
Consolidating lesson	3.6.2.1 Thermal energy transfer	3.12.2.2 Significance of Young's double slits experiment		
	3.6.2.2 Ideal gases	3.12.2.3 Electromagnetic waves (A-level only)		
	3.6.2.3 Molecular kinetic theory model	3.12.2.4 The discovery of photoelectricity		
	RP 8: Investigation of Boyle's law (constant			
	temperature) and Charles's law (constant	3.12.2.5 Wave-particle duality		
	pressure) for a gas.			
		3.12.2.6 Electron microscopes		
		TEST 3.12		