

Year 13 Physics: Academic Calendar 20-21

Term 1

	Week 1 <i>2 teaching days</i>	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 <i>3 teaching days</i>
Lesson Topic		Fields and their Consequences	Fields and their Consequences	Fields and their Consequences	Fields and their Consequences	Fields and their Consequences	Fields and their Consequences	Fields and their Consequences
Sub Topic		Gravitational Fields	Gravitational Potential/Orbits	Coulomb's Law/ Electric Fields	Electric Potential/ Capacitance	Magnetic Fields/ Flux	Induction/AC/ Transformers	Summary
Assessments				Gravitational fields test			Electric fields test	
Spaced Learning topic		Forces, energy and momentum	Circular motion	Electricity	Electricity	Forces/Fields	Electricity/Waves	Fields

Term 2

	Week 1 <i>4 teaching days</i>	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Lesson Topic	Nuclear Physics	Nuclear Physics	Nuclear Physics	Further mechanics	Further mechanics	Paper 1 Revision	Paper 1 Revision
Sub Topic	Radiation and Decay	Radiation and Decay	Nuclear radius, mass and energy	Motion in a Circle/Angular Speed	Angular Acceleration	Electricity	
Assessments	Capacitors/ magnets/induction test			Nuclear test		Year 13 Mock Exams - Full Paper 1	
Spaced Learning topic	Particles	Particles	Mechanics	EM Radiation and quantum phenomena	Materials		

Term 3

	Week 1 <i>4 teaching days</i>	Week 2	Week 3	Week 4	Week 5	Week 6
Lesson Topic	Further mechanics	Further mechanics	Further mechanics	Thermal Physics	Thermal Physics	Thermal Physics
Sub Topic	Centripetal Force	Conditions for SHM/Mass-Spring/Pendulum	Resonance/ Forced Vibration	Energy Transfers	Ideal gases/ Kinetic theory	Ideal gases/ Kinetic theory
Assessments						Further mechanics/ thermal test
Spaced Learning topic	Forces, energy and momentum	Progressive and stationary waves	Reflection, refraction and interference	Materials	Fields and their consequences	Nuclear Physics

Term 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 <i>4 teaching days</i>
Lesson Topic	Revision	Feedback	Astrophysics	Astrophysics	Astrophysics	Astrophysics
Sub Topic			Telescopes	Star Classification	Cosmology	Summary
Assessments	Y13 Mocks - Full Paper 1 and 2					
Spaced Learning topic			Particles/ mechanics	Thermal physics	Forces, energy and momentum	Electricity

Term 5

	Week 1	Week 2	Week 3 <i>4 teaching days</i>	Week 4	Week 5	Week 6
Lesson Topic	Paper 3 Skills	Paper 3 Skills	Paper 3 Skills	Revision	Revision	Revision
Sub Topic						
Assessments	Astrophysics		Paper 3 Practice			
Spaced Learning topic	Progressive and stationary waves	Astrophysics	Fields and their consequences			

Term 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Lesson Topic							
Sub Topic							
Assessments	Year 12 Mocks						
Homework							