

Subject: Physics (year 10)

Long-term plan

Week	Month	Learning Intentions and/or Key Questions
Aut1-1	September	<u>Physics Electricity:</u> <ul style="list-style-type: none"> • Static electricity (TRIPLE) • Electric field (TRIPLE) • Current and charge • Series and Parallel circuits • Resistance and Ohms law
Aut1-2		
Aut1-3		
Aut1-4		
Aut1-5	October	<ul style="list-style-type: none"> • Current and voltage graphs (TRIPLE) • LDR's and thermistors • Factors affecting resistance • Mains electricity • Power • National grid
Aut1-6		
Aut1-7		
		Half term holiday
Aut2-1	November	<u>Physics: Forces:</u> <ul style="list-style-type: none"> • Stopping distances • Momentum • Elasticity • Velocity • Pressure • Pressure in liquids • Atmospheric pressure • Up thrust
Aut2-2		
Aut2-3		
Aut2-4		
Aut2-5		
Aut2-6	December	<u>Revision, Assessment and Feedback</u>
Aut2-7		
		Christmas holiday
Spr1-1	January	<u>Physics: Waves:</u> <ul style="list-style-type: none"> • Waves • Sound waves (TRIPLE) • Reflection and refraction • Lenses (TRIPLE) • Visible light (TRIPLE) • Electromagnetic spectrum • Infrared radiation
Spr1-2		
Spr1-3		
Spr1-4		
Spr1-5		
Spr1-6	February	<u>Revision, Assessment and Feedback</u>
		Half term holiday
Spr2-1	March	<u>Physics: Electromagnetism and magnetism:</u> <ul style="list-style-type: none"> • Electromagnets • The motor effect • Flemings left hand rule • Loudspeakers (TRIPLE)
Spr2-2		
Spr2-3		
Spr2-4		
Spr2-5		
Spr2-6		<u>Revision, Assessment and Feedback</u>
	April	
		Easter holiday
Sum1-1		<u>Physics: Space</u> <ul style="list-style-type: none"> • Solar system • Lifecycle of stars
Sum1-2		

Sum1-3	May	<ul style="list-style-type: none"> • Formation of elements • Satellites • Big Bang theory (TRIPLE) • Red-shift (TRIPLE)
Sum1-4		
Sum1-5		
Sum1-6		
	June	Half term holiday
Sum2-1		REVISION AND PREPARATION FOR END OF YEAR EXAM.
Sum2-2		
Sum2-3		
Sum2-4		
Sum2-5	July	
Sum2-6		
Sum2-7		