


Faculty	Science	Subject	Physics		
Programme	GCE A-Level Physics			Year	12-13
Brief Synopsis	1 Working as a Physicist 2 Mechanics 3 Electric circuits 4 Materials 5 Waves and Particle nature of light 6 Further mechanics 7 Electric and Magnetic fields 8 Nuclear & Particle Physics 9 Thermodynamics 10 Space 11 Nuclear Radiation 12 Gravitational fields 13 Oscillations				
Expected Outcomes					
Programme Overview					
Topic/Concept (Y12)		Week	Topic/Concept		Week
Electric circuits:		1-14	Further mechanics:		1-7
Mechanics:		1-14	Capacitors:		1-7
Materials:		15-22	Magnetic fields:		8-11
Waves & Particle nature of light:		15-32	Nuclear & Particle Physics:		8-12
Electric fields:		23-40	Thermodynamics:		12-22
Further mechanics:		36-40	Nuclear radiation:		13-19
			Gravitational fields:		20-21
			Oscillations:		22-27
			Space:		23-27
Assessment	Y12: <ul style="list-style-type: none"> Regular end-of unit tests Assessment in week beginning 15/10 December exam (internal) 2 Internal exams at the end of the year Y13: <ul style="list-style-type: none"> Regular end-of unit tests Assessment in week beginning 15/10 Mock exams in week beginning 14/1 CPAC (internally assessed) 3 external exams at the end of the year 				
Further Reading					
Web Links	https://home.cern/ http://www.physics.org/aboutus.asp http://www.physicsandmathstutor.com/ https://www.youtube.com/c/AlevelPhysicsOnline				