

Combined Science Physics

			Combined Science Physics					
			Term 1		Term 2		Term 3	
			Term 1.1	Term 1.2	Term 2.1	Term 2.2	Term 3.1	Term 3.2
10	Combined Science	Theme	Particles	Particles	Nuclear physics	Nuclear physics	Forces	Forces
		Concept						
		Skills Knowledge	States of matter, particles motion and configuration, effects of temperature changes	effects of temperature changes, pressure	Atoms & isotopes Nuclear radiation Ionisation Half-life	Using radiation Nuclear fission and power stations	Scalars and vectors, contact and non-contact forces, resultant forces and their effects, forces on springs	Velocity, acceleration, momentum, Newton's three laws of motion
		Wider Curriculum						
11	Combined Science	Theme	Fields and electromagnetism	Fields and electromagnetism	Forces & motion	Forces & motion		
		Concept						
		Skills Knowledge	Magnetic fields Electromagnets Electric motors	Transformers Electric fields Static electricity	Speed, distance & time Motion graphs Investigating acceleration	Newton's laws Stopping distance		
		Wider Curriculum						