

Spec Ref	Topic	TAP episode	comments
3.1.1	Constituents of the atom	Nil	
	Stable and unstable nuclei	Nil	
	Particles, antiparticles and photons	534, 502	TAP material aimed at A2 502 is P/E effect
	Particle interactions	536	TAP material aimed at A2
	Classification of particles	533	TAP material aimed at A2
	Quarks and antiquarks	540	TAP material aimed at A2
3.1.2	The photoelectric effect	502	
	Collisions of electrons with atoms		
	Energy levels and photon emission	501	
	Wave-particle duality	506	Knowledge of momentum assumed
3.1.3	Charge, current and potential difference	101, 102, 108	
	Current / voltage characteristics	109	
	Resistivity	112 110	Resistivity Temp effects & superconductivity
	Circuits	114 115	Series and parallel Power
	Potential divider	118	
	Electromotive force and internal resistance	120, 121	
	Alternating currents	123	Requires knowledge of the CRO
	Oscilloscope	122	