

TIER	TOPIC	SUB-HEADING	KEYWORDS	AQA UNIT P1	AQA UNIT P2	AQA UNIT P3	ED EXCEL UNIT P1	ED EXCEL UNIT P2	ED EXCEL UNIT P3	OCR B MODULE P1	OCR B MODULE P2	OCR B MODULE P3	OCR B MODULE P4	OCR B MODULE P5	OCR B MODULE P6	OCR A (21C) MODULE P1	OCR A (21C) MODULE P2	OCR A (21C) MODULE P3	OCR A (21C) MODULE P4	OCR A (21C) MODULE P5	OCR A (21C) MODULE P6	OCR A (21C) MODULE P7	WJEC UNIT 1	WJEC UNIT 2	WJEC UNIT 3	CEEA UNIT 1	CEEA UNIT 2		
F/H	Thermal energy	Temperature and heat	joules, degrees	P1.1					P3.5	P1a																			
F/H	Thermal energy	Kinetic theory	changes of state	P1.1					P3.5	P1a																			
F/H	Thermal energy	Conduction	energy transfer	P1.1						P1b													P1.4			P3.4			
F/H	Thermal energy	Convection	energy transfer	P1.1						P1b													P1.4			P3.4			
F/H	Thermal energy	Radiation	infra-red	P1.1						P1a, P1b, P1e							P2.1, P2.3						P1.4			P3.4			
F/H	Thermal energy	Rate of energy transfer	surface area	P1.1						P1a													P1.4, P1.5						
F/H	Thermal energy	Energy saving	insulator, U-value, double glazing	P1.1						P1a								P3.1					P1.4						
F/H	Thermal energy	Solar energy	solar heating, solar cell, solar panel	P1.1, P1.4							P2a															P1.1			
F/H	Thermal energy	Specific heat	specific heat capacity	P1.1						P1a																			
F/H	Using and generating electricity	Generating electricity	fossil fuels, biofuels, renewable, non-renewable, turbine, power station, greenhouse gases, climate change, deforestation, habitats, nuclear waste	P1.4			P1.5	P2.6			P2a, P2b, P2d, P2c, P2e							P2.3	P3.1, P3.2, P3.3						P1.1, P1.3, P1.5		P1.2		
F/H	Using and generating electricity	Nuclear power	uranium, turbine, radioactive, fission, power station	P1.4	P2.6			P2.5, P2.6			P2e, P2c, P2e		P4h						P3.2			P6.2			P2.6		P1.4		
F/H	Using and generating electricity	National grid	step-up transformer, step-down transformer	P1.4			P1.5				P2b, P2d								P3.2						P1.2, P1.3		P2.2		
F/H	Using and generating electricity	Transformers	step-up transformer, step-down transformer, induced	P1.4		P3.3	P1.5				P2d											P5.4			P1.2		P3.1	P2.2	
F/H	Using and generating electricity	Cost of electricity	appliance, power, kWh, energy saving	P1.3	P2.4		P1.5				P2d	P3d													P1.3				
F/H	Using and generating electricity	What is electricity	ac, dc, mains	P2.4			P1.5				P2b														P2.1		P2.2		
F/H	Using and generating electricity	Cables and plugs	3-pin plug, 3 core cable, fuse, earthing		P2.4								P4c														P2.2		
F/H	Using and generating electricity	Electrical power	watt, fuse, appliance	P1.3	P2.4		P1.5	P2.2			P2d		P4c						P3.1						P1.2		P1.2	P2.2	
F/H	Using and generating electricity	Efficiency	Sankey diagram	P1.2			P1.6				P1b	P2b													P1.4		P1.2		
F/H	Static electricity	Static electricity	attract, repel, charge, electrostatic		P2.3			P2.1					P4a														P2.2		
F/H	Electrical circuits	Current, voltage & resistance	ammeter, voltmeter, potential difference, charge, coulomb		P2.3			P2.2					P4c													P2.1		P2.2	
F/H	Electrical circuits	Series and parallel circuits	components		P2.3																					P2.1		P2.2	
F/H	Electrical circuits	Ohms law	resistance, voltage, current		P2.3			P2.2					P4c													P2.1		P2.2	
F/H	Electrical circuits	Resistance	current, voltage, resistor, filament lamp, diode, LED, thermistor, LDR		P2.3, P2.4			P2.2					P4c		P6a, P6c											P2.1		P2.2	
F/H	Electricity and magnetism	Motors and generators	inducing, electricity and magnetism			P3.3	P1.5				P2b																P3.1	P2.2	
F/H	Waves	Waves	electromagnetic, longitudinal, transverse, sound, light, amplitude, wavelength, frequency	P1.5			P1.1				P1c		P4d	P5f												P1.5		P3.2	P2.1
F/H	Waves	Wave equations	frequency, wavelength, amplitude, speed	P1.5			P1.1				P1c															P1.5		P2.1	
F/H	Waves	Electromagnetic spectrum	electromagnetic, transverse, light, microwave, radio wave, X-ray, gamma wave, radiation, UV, IR	P1.5		P3.1	P1.2	P3.2			P1c, P1e, P1f, P1g, P1h	P2e	P4g	P5e												P1.5, P1.6		P2.1	
F/H	Waves	Lasers	light			P3.1		P3.1			P1d																		
F/H	Waves	Ultrasound	echo, reflection, longitudinal, depth	P1.5			P1.4						P4d															P2.1	
F/H	Earth	Seismic waves	crust, mantle, plate, earthquake, P wave, S wave				P1.4				P1h																P3.2	P2.3	

