Practical	Skills	Follows written procedures	Applies investigative approaches and methods when using instruments and equipment	Safely uses a range of practical equipment and materials	Makes and records observations	Researches, references and reports
Stationary waves	a, b, c, **i**	AQA method	✓	✓	✓	reports
Young's slits and diffraction grating.	a, **j**	Research their own	✓	✓	✓	Researches and references
Determination of g by free-fall	a, c, **d**, k	LCS method	✓	✓	✓	reports
Young modulus	a, c, e	LCS method	✓	✓	✓	reports
resistivity of a wire	a, b, e, f	LCS method	✓	✓	✓	Researches and references reports
emf and internal resistance	b, f, **g**	Research their own	✓	✓	✓	reports
simple harmonic motion using a mass-spring and a pendulum.	a, b, c, h, i	Research their own	✓	✓	✓	
Boyle's law and Charles's law for a gas.	a	LCS method		✓	✓	
charge and discharge of capacitors.	b, f, g, h, k	LCS method + Extra temperatures of their choice	✓	✓	✓	✓
force on a wire using a top pan balance.	a, b, f	Research their own method.	✓	✓	✓	✓
search coil and oscilloscope	a, b, f, h	Research their own	✓	✓	✓	✓
inverse-square law for gamma radiation.	a, b, k, l	LCS method	✓	✓	✓	