Week		Topic area	Lesson title	Practicals
1	03/09/2018	P12 Magnetism and the motor effect	Lesson SP12a: Magnets and magnetic fields	
			Lesson SP12a: Magnets and magnetic fields	
			Lesson SP12b: Electromagnetism	
			Lesson SP12b: Electromagnetism	
			Lesson SP12c: Magnetic forces	Suggested practical: Construct an electric motor.
3	17/09/2018		**Lesson SP12c: Magnetic forces**	
			Lesson SP13a: Explain how to produce an electric current by the relative movement of a magnet and a conductor	
			Lesson SP13a: Explain how to produce an electric current by the relative movement of a magnet and a conductor	
			Lesson SP13b: National grid & transformers	
		P13 Electromagnetic induction	Lesson SP13b: National grid & transformers	Suggested practical: Investigate factors affecting the generation of electric current by induction.
5	01/10/2018		Lesson SP13c: Use of the power (transformers) equation	
			Lesson SP13c: Use of the power (transformers) equation	Suggested practical: Investigate factors affecting the generation of electric current by induction.
			Revision	
			End of unit test	
			Review	
7	15/10/2018		Lesson SP14a: Particles and density	Core practical: Investigate the densities of solid and liquids
			Lesson SP14a: Particles and density	
HALF TERM			Lesson SP14b: Energy and changes of state	Suggested practical: Investigate latent heat of vaporisation
		P14 Particle model	Lesson SP14b: Energy and changes of state	
				Core Practical: Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice
			Lesson SP14c: Energy calculations	
9	05/11/2018		Lesson SP14c: Energy calculations	
			Lesson SP14d: Gas temperature and pressure	
			Lesson SP14d: Gas temperature and pressure	
			Lesson SP14e: Gas laws	Suggested practical: Investigate the temperature and volume relationship for a gas
			Lesson SP14e: Gas laws	Suggested practical: Investigate the volume and pressure relationship for a gas.
11	19/11/2018		Revision	
			Revision	
			Revision	
			Revision	
			Revision	
13	03/12/2018		MOCKS	
			MOCKS	
			MOCKS	
			MOCKS	
			MOCKS	
15	17/12/2018		Lesson SP15a: Bending and stretching	**Suggested practical: Investigate the stretching of rubber bands.**
			Lesson SP15a: Bending and stretching	
XMAS			Lesson SP15b: Extension and energy transfers	Core practical: Investigate the extension and work done when applying forces to a spring
		P15 Forces and matter	Lesson SP15b: Extension and energy transfers	
			Lesson SP15c: Pressure	
17	14/01/2019		MOCK REVIEW LESSON	
			Lesson SP15c: Pressure	
			Lesson SP15d: More pressure	Suggested practical: Investigate the upthrust on objects in different liquids.
			Lesson SP15d: More pressure	
			Revision	
19	28/01/2019		End of unit test	
			Review	
			Core practical revision	Core Practical: Investigate the relationship between force, mass and acceleration by varying the masses added to trolleys.
			Core practical revision	Core Practical: Investigate the suitability of equipment to measure the speed, frequency and wavelength of a wave in a solid and a fluid
			Core practical revision	Core practical: Investigate refraction in rectangular glass blocks in terms of the interaction of electromagnetic waves with matter
21	11/02/2019		Core practical revision	Core practical: Investigate how the nature of a surface affects the amount of thermal energy radiated or absorbed
			Core practical revision	Core Practical: Construct electrical circuits to:
HALF TERM			Core practical revision	a) investigate the relationship between potential difference, current and resistance for a resistor and a filament lamp,
			Core practical revision	**b) test series and parallel circuits using resistors and filament lamps**
			Core practical revision	Core practical: Investigate the densities of solid and liquids

	23	04/03/2019	Core practical revision
			Core practical revision
			Revision
			Revision
			Revision
	25	18/03/2019	Revision
			Revision
			Revision
			Revision
			Revision
	27	01/04/2019	MOCKS
			MOCKS
EASTER			MOCKS
			Revision
			Revision
	29	29/04/2019	MOCK REVIEW LESSON
			Revision
			Revision
			Revision
			Revision
	31	13/05/2019	B1 14/5/19
			Revision
			C1 16/5/19
			Revision
HALF TERM			P1 22/5/19
	33	03/06/2019	Revision
			B2 7/6/19
			Revision
			C2 12/6/19
			P2 14/06/2019
	35	17/06/2019	
	37	01/07/2019	
	39	15/07/2019	

Core Practical: Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice
Core practical: Investigate the extension and work done when applying forces to a spring