

P2.1: **Electricity and magnetism**

Lesson	Objectives Tracker Sheet	Date covered	I know this well	I need to do more work on this
1.1 Charging up	Explain how objects can become charged			
	Describe how charged objects interact			
	Describe what is meant by an electric field			
1.2 Circuits and currents	Describe what is meant by current			
	Describe how to measure current			
1.3 Potential difference	Describe what is meant by potential difference			
	Describe how to measure potential difference			
	Describe what is meant by the rating of a battery or bulb			
1.4 Series and parallel	Describe the difference between series and parallel circuits			
	Describe how current and potential difference vary in series and parallel circuits			
1.5 Resistance	Describe what is meant by resistance			
	Calculate the resistance of a component and of a circuit			
	Describe the difference between conductors and insulators in terms of resistance			
1.6 Magnets and magnetic fields	Describe how magnets interact			
	Describe how to represent magnetic fields			
	Describe the Earth's magnetic field			
1.7 Electromagnets	Describe how to make an electromagnet			
	Describe how to change the strength of an electromagnet			
1.8 Using electromagnets	Describe some uses of electromagnets			
	Describe how a simple motor works			