

Lesson	Know	Apply	Extend
2.4.1 Electromagnets	I can state the main features of an electromagnet. <input type="checkbox"/>	I can describe how to make an electromagnet. <input type="checkbox"/>	I can explain how an electromagnet works. <input type="checkbox"/>
	I can state one difference between permanent magnets and electromagnets. <input type="checkbox"/>	I can describe how to change the strength of an electromagnet. <input type="checkbox"/>	I can predict the effect of changes on the strength of different electromagnets. <input type="checkbox"/>
	I can state where the magnetic field due to a wire or solenoid is strongest. <input type="checkbox"/>	I can describe how the magnetic field strength due to a current carrying wire varies with distance from the wire. <input type="checkbox"/>	I can suggest how two wires both carrying currents placed next to each other might behave. <input type="checkbox"/>
	I can test the effect of changing an electromagnet. <input type="checkbox"/>	I can predict and test the effect of changes made to an electromagnet. <input type="checkbox"/>	I can predict the effect of changes made to an electromagnet, using scientific knowledge to justify the claim. <input type="checkbox"/>
2.4.2 Using electromagnets	I can state some uses of electromagnets. <input type="checkbox"/>	I can describe some uses of electromagnets. <input type="checkbox"/>	I can apply existing knowledge about electromagnets to design a circuit. <input type="checkbox"/>
	I can state the main parts of an electric bell, circuit breaker, or loudspeaker. <input type="checkbox"/>	I can describe how an electric bell, circuit breaker, or loudspeaker works. <input type="checkbox"/>	I can compare and contrast electric bells, circuit breakers, and loudspeakers. <input type="checkbox"/>
	I can ask simple questions about electric bells, circuit breakers, or loudspeakers. <input type="checkbox"/>	I can pose scientific questions to be investigated from my experiment. <input type="checkbox"/>	I can suggest investigations about electromagnets used in different applications. <input type="checkbox"/>