



Assessment grid			
Subject: Science		Year: 8	Topic/module: Electricity and Magnetism
KS4 target direction	4	6	8(9)
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure <i>Students must achieve competence in all statements before being judged 'Secure'</i>	Secure The student can: <ul style="list-style-type: none"> • State the two types of charge • Describe the effect of a larger potential difference • State one difference between series and parallel circuits. • Compare simply the resistance of conductors and insulators • List examples of conductors and insulators • Draw the magnetic field lines around a bar magnet • State the main features of an electromagnet • State some uses of electromagnets • State the main parts of a motor. 	Secure The student can: <ul style="list-style-type: none"> • Describe what is meant by an electric field • Describe how to measure current. • describe how to measure potential difference • Describe how current and potential difference vary in series and parallel circuits. • Calculate the resistance of a component and of a circuit • Describe the Earth's magnetic field • Describe how to change the strength of an electromagnet • Describe how a simple motor works 	Secure The student can: <ul style="list-style-type: none"> • Compare a gravitational field and an electric field • Use a model to explain how current flows in a circuit • Explain the difference between potential difference and current • Explain why current and potential difference vary in series and parallel circuits • Explain what factors affect the resistance of a resistor. • Compare magnetic field lines and a magnetic field. • Explain how a compass works. • Explain how an electromagnet works • Apply knowledge about electromagnets to design a circuit.
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps