CP11 Electromagnetic Induction

CP11a Transformers
Recall the law of conservation of energy.
Recall that the power of an electrical current is given by the current multiplied by the voltage.
Use the formula relating the input and output current and voltage for a transformer.
CP11b Transformers and energy
H Recall the factors that affect the size and direction of an induced potential difference.
H Describe how the magnetic field produced by an induced potential difference opposes the original change.
H Explain how a transformer works.
Recall that transformers can change the voltage of an alternating current.
Describe how the national grid transmits electricity around the country.
Explain why step-up and step-down transformers are used in the national grid.