Subject	Year 11 Physics Content Autumn Term	How to support students' learning
Electricity in the Home	Summary of Concepts Covered: ➢ Alternating Current ➢ Plugs, earthing, fuses and circuit breakers as safety measures with electrical circuits. ➢ Electrical power ➢ Calculating the amount of electrical energy transferred. ➢ Electrical Appliances and Efficiency ➢ The National Grid	Electricity in the home is a very important topic as you will be familiar with some concepts already taught. Recap your knowledge by reading through the website here: Household electricity - Mains electricity - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize Practice using the electricity equations by completing some questions from this website: Electric Power Questions and Answers | Study.com Check your answers afterwards. This section of electricity in the home will draw on your year 9 content. Recap what you have covered in lesson by reading through this website: Electrical appliances - Work, power and efficiency - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize The National Grid is a vital part of your everyday life. Review what you have learnt in lesson by reading through the website and completing a multiple choice quiz: GCSE Electricity | Revise its Transfer via the National Grid (educationquizzes.com)
Static Electricity – Triple Only Content	Summary of Concepts Covered: ➢ Electrical Charges and Fields	This is a triple physics section of the course, so it does not apply to all students. Review your knowledge of electrical charges and fields by watching this short video here: GCSE Physics - Electric Fields #24 - YouTube
Electromagnetism	Summary of Concepts Covered: ➢ Magnetic forces and field ➢ Magnetic fields of electric currents ➢ The Motor Effect	Expand your knowledge on magnets and electromagnets by reading through this website: Poles of a magnet - Magnetic fields - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Complete the short quiz to test your knowledge: Magnetic fields test questions - AQA Trilogy - GCSE Combined Science Revision - BBC Bitesize Current flowing through a conductor creates a magnetic field. You need to know how this relates to the motor effect. Read through the website here: What is an electromagnet? - Electromagnets and transformers - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize

		Learn about Fleming's left hand rule by watching this video: Electromagnets and transformers - AQA - Video - GCSE Combined Science - BBC Bitesize Test your knowledge by completing this short quiz: Electromagnets - AQA test questions - AQA Trilogy - GCSE Combined Science Revision - BBC Bitesize