



# Long Term Plan

IGCSE Physics



2021-2022	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 7 weeks	Spring 2 7 weeks	Summer 7 weeks	
Year 10	<b>Unit 1: Forces and Motion</b> 1. Movement and position 2. Forces and Shape 3. Forces and Movement 4. Momentum	<b>Unit 1: Forces and Motion</b> 5. The turning effect of forces  <b>Unit 2: Electricity</b> 6. Mains Electricity 7. Current and Voltage in Circuits	<b>Unit 2: Electricity</b> 8. Electrical Resistance 9. Electric Charge  <b>Unit 3: Waves</b> 10. Properties of Waves 11. The electromagnetic spectrum	<b>Unit 3: Waves</b> 12. Light Waves 13. Sound  <b>Unit 4: Energy Resources and Energy Transfer</b> 14. Energy Transfers 15. Thermal Energy	<b>Unit 4: Energy Resources and Energy Transfer</b> 16. Work and Power 17. Energy Resources and Electricity Generation	<b>Unit 5: Solids, Liquids and Gases</b> 18. Density and Pressure 19. Solids Liquids and Gases
Year 11	<b>Unit 5: Solids, Liquids and Gases</b> 1. Density and Pressure 2. Solids Liquids and Gases	<b>Unit 6: Magnetism and Electromagnetism</b> 1. Magnetism and Electromagnetism 2. Electric Motors and electromagnetic induction	<b>Unit 7: Radioactivity and Particles</b> 1. Atoms and Radioactivity 2. Radiation and Half Life 3. Applications of Radioactivity 4. Fission and Fusion	<b>Unit 8: Astrophysics</b> 1. Motion in the Universe 2. Stellar Evolution 3. Cosmology	Revision and Exam Preparation	