

**Barnsley Academy – (Year) (Subject) Curriculum Overview 2023-24 (KS4 PHYS Year 11)**

Autumn Term			Spring Term			Summer Term		
	Class Focus	Homework		Class Focus	Homework		Class Focus	Homework
Week 1	Force and interactions Weight, mass and gravity	Scalars and Vectors	Week 1	Ac vs DC generators Closing The Gap	Generator Effect	Week 1		
Week 2	Resultant forces Force and Work	Weight, mass and gravity	Week 2	Microphones and Speakers Transformers	AC Generator	Week 2		
Week 3	Forces and elasticity part 1 Forces and elasticity part 2	Resultant forces	Week 3	Transformers in Action	Transformers	Week 3		
Week 4	Closing The Gap Moments and levers	Forces and Elasticity	Week 4	Closing The Gap P9 EOQA	Knowledge Quiz	Week 4		
Week 5	Gears Pressure Pressure and liquids	Moments	Week 5	Solar System and Star Formation Life of A Star	Star Formation	Week 5		
Week 6	Atmospheric pressure Closing The Gap	Pressure in Fluids	Week 6	Orbital Motion and Satellites Origins of the Universe	Origins of the universe	Week 6		
Week 7	Speed, distance, time Acceleration	Atmospheric Pressure	Week 7	Closing the Gap P8 EOQA		Week 7		
Week 8	Velocity and acceleration Terminal velocity	Speed and acceleration	Week 8			Week 8		
Week 9	Newton's first and second law Acceleration RP part 1	Terminal Velocity	Week 9			Week 9		
Week 10	Acceleration RP part 2 Forces and Braking	Newtons Laws	Week 10			Week 10		
Week 11	Momentum Car Safety	F = ma investigation				Week 11		
Week 12	Closing the gap P5 - EOQA	Knowledge Quiz				Week 12		
Week 13	Magnetism Magnetic Fields Electromagnetism	Braking and Momentum				Week 13		
Week 14	Motor Effect Electric Motors	Magnetism				Week 14		
Week 15	Generator Effect Electromagnets and devices	Motor Effect						
Assessment			Assessment			Assessment		