

**Barnsley Academy – (Year 9) Curriculum Overview 2023-24**

Autumn Term				Spring Term				Summer Term				
	Class Focus	Route 1	Route 2	Homework		Class Focus		Homework		Class Focus		Homework
Week 1	9PF – Forces and their effect Moments and balance Work done Simple machines		9CR -Atomic structure Reactions and bonding Relative formula mass	Mini knowledge quiz – 20 QS Teacher tools AI multiple choice	Week 1	Alcohol and drugs DNA Inheritance	Alcohol and drugs DNA Inheritance		Week 1			
Week 2	Hooke's law Hooke's law practical and evaluation/ KPI CTG		Metals and acids Acids and metal oxides Acids and metal carbonates	Mini knowledge quiz	Week 2	CTG EOUA 9BB	CTG EOUA 9BB		Week 2			
Week 3	EOUA 9PF 9CR -Atomic structure Reactions and bonding		Acids and alkalis Reactivity series Metal extraction	Mini knowledge quiz	Week 3	Start year 10 content C1 – Elements and compounds Mixtures Distillation	Start year 10 content C1 – Elements and compounds Mixtures Distillation		Week 3			
Week 4	Relative formula mass Metals and acids Acids and metal oxides		Displacement reactions Alloys Reactivity and voltage CTG	Mini knowledge quiz	Week 4	Chromatography Atomic structure Development of the atom	Chromatography Atomic structure Development of the atom		Week 4			
Week 5	Acids and metal carbonates Acids and alkalis Reactivity series		EOUA 9CE 9CE What is a rate Conclusions from rates and graphs	Mini knowledge quiz	Week 5	Isotopes Electronic structure CTG	Isotopes Electronic structure CTG		Week 5			
Week 6	Metal extraction Displacement reactions Alloys		Concentration Temperature and SA Catalysts	Mini knowledge quiz	Week 6	Development of periodic table Why do Atoms react? Group 1 metals Group 7	Development of periodic table Why do Atoms react? Group 1 metals Group 7		Week 6			
Week 7	Reactivity and voltage CTG EOUA 9CR		Endo and Exothermic Combustion Thermal decomposition	Mini knowledge quiz	Week 7	Displacement CTG EOUA	Displacement CTG EOUA		Week 7			
Week 8	9CE What is a rate Conclusions from rates and graphs Concentration		CTG EOUA 9CE 9PF – Forces and their effect Moments and balance	Mini knowledge quiz	Week 8				Week 8			
Week 9	Temperature and SA Catalysts Endo and Exothermic		Work done Simple machines Hooke's law	Mini knowledge quiz	Week 9				Week 9			
Week 10	Combustion Thermal decomposition CTG EOUA 9CE		Hooke's law practical and evaluation/ KPI CTG EOUA 9PF	Mini knowledge quiz	Week 10				Week 10			

Week 11	9PS Waves Sound waves Speed of sound part 1 and 2	9PS Waves Sound waves Speed of sound part 1 and 2	Mini knowledge quiz		Week 11		
Week 12	How we hear Ultrasound Microphones and speakers	How we hear Ultrasound Microphones and speakers	Seneca		Week 12		
Week 13	CTG EOUA 9PS	CTG EOUA 9PS			Week 13		
Week 14	9BB Skeletal system Muscles Respiratory system	9BB Skeletal system Muscles Respiratory system			Week 14		
Week 15	Breathing Effects of exercise Effects of smoking	Breathing Effects of exercise Effects of smoking					
Assessment			Assessment		Assessment		