

Barnsley Academy – (Year 7) 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	7CP Particle model Diffusion Change of state Gas pressure	7BC Microscopes Unicellular Diffusion and practical	Mini knowledge quiz – 20 QS Teacher tools AI multiple choice		Week 1	7BR Sexual reprod Fertilisation Foetal birth Growth and puberty	7CC chemical changes Reaction with oxygen Acids and alkalis		Week 1	Plants and atmosphere Transport in plants. Plants as food	Plants and atmosphere Transport in plants Plants as food
Week 2	Model of solution Pure and impure Rock salt	Plant cells Animal cells Comparing cells Specialised cells	Seneca		Week 2	Repro in plants Seed dispersal Variation CTG	Indicators UVI Metals and acids Simple titration		Week 2	CTG EOUA	CTG EOUA
Week 3	Distillation Chromatography Solubility	Plants as organisms Animals as organisms Digestive system	Mini knowledge quiz		Week 3	EOUA 7CC chemical changes Reaction with oxygen	Planning antacids and antacids practical CTG EOUA		Week 3	Skills lessons – focussing on variables, methods, command words. Practice exam questions. Revision for end of year exams (end of June)	
Week 4	CTG EOUA 7BC Microscopes	Respiratory system CTG EOUA	Seneca		Week 4	Acids and alkalis Indicators UVI Metals and acids	7PE – what is a force. Balanced and unbalanced forces Gravity as a force		Week 4		
Week 5	Unicellular Diffusion and practical Plant cells	7PE Energy stores Energy transfers Efficiency	Mini knowledge quiz		Week 5	Simple titration Planning antacids and antacids practical CTG	Calculating weight Pressure Investigating speed		Week 5		
Week 6	Animal cells Comparing cells Specialised cells	Conduction prac Convection Insulation	Seneca		Week 6	EOUA 7PE – what is a force. Balanced and unbalanced forces Gravity as a force	Friction of moving objects CTG EOUA		Week 6		
Week 7	Plants as organisms Animals as organisms Digestive system	CTG mid topic Power and energy Cost of electricity	Mini knowledge quiz		Week 7	Calculating weight Pressure Investigating speed	7BR Sexual reprod Fertilisation Foetal birth Growth and puberty		Week 7		
Week 8	Respiratory system CTG EOUA	Electricity (new) Current and PD (new) Circuits (new)	Seneca		Week 8	Friction of moving objects CTG EOUA	Repro in plants Seed dispersal Variation CTG		Week 8		
Week 9	7PE Energy stores Energy transfers Efficiency	Energy in foods Fossils fuels Renewable energy	Mini knowledge quiz		Week 9	9BP structure of the roots Structure of the leaf Leaf adaptations	9BP structure of the roots Structure of the leaf Leaf adaptations		Week 9		
Week 10	Conduction prac Convection Insulation	CTG EOUA	Seneca		Week 10	Photosynthesis Factors affecting photo Testing for starch and sugar	Photosynthesis Factors affecting photo Testing for starch and sugar		Week 10		
Week 11	CTG mid topic Power and energy Cost of electricity	7CP Particle model Diffusion Change of state Gas pressure	Mini knowledge quiz						Week 11		
Week 12	Electricity (new)	Model of solution	Seneca						Week 12		

	Current and PD (new) Circuits (new)	Pure and impure Rock salt							
Week 13	Energy in foods Fossils fuels Renewable energy	Distillation Chromatography Solubility					Week 13		
Week 14	CTG EQUA	CTG EQUA					Week 14		
Week 15									
Assessment							Assessment		