

Barnsley Academy – (Year 8) 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	8PL – Light waves Chemical and electrical Reflection	8CP – Elements Atomic model Properties of elements Compounds	Multiple choice quizzes	Week 1	8CM structure of the earth Igneous rock Sedimentary rock Metamorphic rock	8PE – circuits Current in a series circuit Current in a parallel circuit	Multiple choice quizzes	Week 1			
Week 2	Refraction Vision Correcting vision Colour	Chemical formulae Mass change Group 1	Multiple choice quizzes	Week 2	Fossils Fossil fuels Atmosphere changes	Potential difference Ohms law Resistance in a wire	Multiple choice quizzes	Week 2			
Week 3	Filters Gravity Weight, mass and gravity	Group 7 CTG EOUA 8CP	Multiple choice quizzes	Week 3	Greenhouse effect Resources and recycling CTG	Insulators and statis Magnetic fields Electromagnetism	Multiple choice quizzes	Week 3	Skills lessons – focussing on variables, methods, command words. Practice exam questions. Revision for end of year exams (end of June)		
Week 4	Seasons The universe CTG	8BD – Diet Poor diet Energy release	Multiple choice quizzes	Week 4	9BP Structure of plant roots Structure of leaf Leaf adaptations	CTG EOUA 8PE	Multiple choice quizzes	Week 4			
Week 5	EOUA 8PL 8CP – Elements Atomic model	Testing for sugar and starch Testing for protein and fat Digestive system	Multiple choice quizzes	Week 5	Photosynthesis Factors affecting photosynthesis Testing for starch and sugar	9BP Structure of plant roots Structure of leaf Leaf adaptations	Multiple choice quizzes	Week 5			
Week 6	Properties of elements Compounds Chemical formulae Mass change	Small intestines adapt. Chemical digestion Temperature and enzymes	Multiple choice quizzes	Week 6	Plant and atmosphere Plant transport Plants as food	Plant and atmosphere Plant transport Plants as food	Multiple choice quizzes	Week 6			
Week 7	Group 1 Group 7 CTG	CTG EOUA – 8BD	Multiple choice quizzes	Week 7	CTG EOUA 9BP 9PM – Particle theory	CTG EOUA 9BP 9PM – Particle theory	Multiple choice quizzes	Week 7			
Week 8	EOUA 8CP 8BD – Diet Poor diet Energy release	8PL – Light waves Chemical and electrical Reflection	Multiple choice quizzes	Week 8	Density Brownian motion Pressure in a liquid	Density Brownian motion Pressure in a liquid	Multiple choice quizzes	Week 8			
Week 9	Testing for sugar and starch Testing for protein and fat Digestive system	Refraction Vision Correcting vision Colour	Multiple choice quizzes	Week 9	Floating and sinking Atmospheric pressure CTG EOUA 9PM	Floating and sinking Atmospheric pressure CTG EOUA 9PM	Multiple choice quizzes	Week 9			
Week 10	Small intestines adapt. Chemical digestion Temperature and enzymes	Filters Gravity Weight, mass and gravity	Multiple choice quizzes	Week 10				Week 10			
Week 11	CTG EOUA – 8BD	Seasons The universe CTG EOUA 8PL	Multiple choice quizzes					Week 11			
Week 12	8PE – circuits Current in a series circuit Current in a parallel circuit	8CM structure of the earth Igneous rock Sedimentary rock Metamorphic rock						Week 12			

Week 13	Potential difference Ohms law Resistance in a wire	Fossils Fossil fuels Atmosphere changes			Week 13		
Week 14	Insulators and statis Magnetic fields Electromagnetism	Greenhouse effect Resources and recycling CTG			Week 14		
Week 15	CTG EQUA 8PE	EQUA 8CM					
Assessment			Assessment				