

Barnsley Academy – (Year 10) (Triple Biology) Curriculum Overview 2023-24

Autumn Term			Spring Term			Summer Term		
	Class Focus	Homework		Class Focus	Homework		Class Focus	Homework
Week 1	Comparison of cells Use of microscopes	cell comparisons	Week 1	Disease Bacteria and virus Fungi and bacteria	Disease spread	Week 1	Revision for end of year exams – use Y11 revision lessons. 15-minute teacher talk followed by silent exam questions. Use visualiser to guide any difficult questions.	
Week 2	RP plant cells RP animal cells	Microscope and method	Week 2	Human defence Vaccinations	WBC and vaccinations	Week 2		
Week 3	Specialised cells Diffusion Exchange surfaces	Exchange surfaces	Week 3	Antibiotics and drugs Drug development	Drug testing	Week 3		
Week 4	Osmosis Osmosis RP	Osmosis	Week 4	Monoclonal antibodies Plant disease	B3 –mini quiz revision	Week 4		
Week 5	Active transport Genes DNA and cell cycle Stem cells	Cell cycle	Week 5	CTG EOUA – B3 Infection and response		Week 5		
Week 6	Culturing microorganisms CTG	B1 –mini quiz revision	Week 6	Photosynthesis RP photosynthesis	RP photosynthesis	Week 6		
Week 7	EOUA B1 cells Food tests – starch and sugar	Food tests	Week 7	Rates and limiting factors Manipulating photosynthesis	Rates and limiting factors	Week 7		
Week 8	Food tests – fat and protein Digestive enzymes	Food tests	Week 8	Respiration and exercise Anaerobic respiration	Respiration comparison	Week 8		
Week 9	Digestion and absorption Enzymes and temperature	Enzymes	Week 9	Metabolism CTG	B4 –mini quiz revision	Week 9		
Week 10	Enzymes and PH CTG	Factors affecting enzymes	Week 10	EOUA – B4 Bioenergetics		Week 10		
Week 11	Lungs Blood and vessels	Lungs				Week 11		
Week 12	Heart Heart practical	Heart and vessels				Week 12		
Week 13	Heart disease Lifestyle and disease Cancer	Disease/ lifestyle				Week 13		
Week 14	Plant tissues Plant transport	Plant tissues				Week 14		
Week 15	CTG EOUA B2 organisation	B2 – mini revision quiz						
Assessment			Assessment			Assessment		