Biology Edexcel Salters (A)

	TERM 1 TOPIC LIST					
Topic 1 Lifestyle, health and risk						
1.1	Heart and circulation					
1.2	Water: solvent					
1.3	Blood vessels: structure and function					
	Cardiac cycle					
1.5	atherosclerosis					
	blood clotting process					
	CV disease: risk factors mortality					
	energy budgets and diet					
	carbohydrates: structure, bonding and function					
	lipids: structure, bonding, function and disease					
	Coronary heart disease					
1.17-1.18	invertebrate in research; CVD benefits and risks					
	Genes and health					
2.1	Gas exchange					
	ficks law					
	adaptations for gas exchange					
	structure & properties of cell membranes					
	osmosis					
2.4	transport in cells: passive & active					
05.00	transport of materials (endo- & exo-cytosis)					
2.5 - 2.8	- 2.8 DNA/ RNA: structure, function, bonding					
	Protein synthesis: transcription and translation					
20	nature of genetic code Amino acid structure and function					
proteins						
2 10						
	Enzyme structure and function DNA replication					
	mutations					
	genes, alleles, inheritance					
	Cystic fibrosis and gene mutation					
	genetic screening and ethics					
2.13-2.10	gonotio soroching and othios					

	TERM 2 TOPIC LIST				
Topic 3	Voice of the genome				
	cell structure and ultrastructure (eukaryotic)				
	cell structure and ultrastructure (prokaryotic)				
	sexual reproduction: gametes				
	process of fertilisation				
	chromosomes, genes and sex				
	cell division: mitosis and meiosis				
_	Stem cells: in medicine and ethics				
	cell specialisation				
	cells, tissues and organs organisation				
3.14 - 3.15	Genotype. Epigenetics and phenotype				
	Biodiversity and natural resources				
	concept of biodiversity and measurement				
	niche and adaptations to environment				
	natural selection and evolution				
	allele frequencies and populations				
	classification of species				
	cell structure and ultrastructure (plant)				
	cellulose/starch formation and structure				
	plant: xylem and phloem (transport)				
	inorganic ions and role in plants				
	Drug testing: protocols				
	bacterial growth conditions				
	use of plant fibres and starch				
4.16	conservation of endangered species				