Biology						
J ,	Autumn 1	Autumn 2	Spring 3	Spring 4	Summer 5	Summer 6
Year 9	 TOPIC 1 - Cells and organisation Microscopes RP1 - Using a light microscope Plant and animal cells (structure and function) Specialised cells in plants and animals Cell division & stem cells Transport in and between cells Diffusion, osmosis and active transport RP3: The effect of concentration on the mass of plant tissue (osmosis) Exchanging materials 		TOPIC 2 - Plant biology		 TOPIC 3 - Animal biology Tissues and organs Digestive system Chemistry of food RP4: Food tests Enzymes and digestion RP5: The effect of pH on enzyme action Blood & blood vessels The heart & circulation 	
			 Tissues and organs in plants Plant transport systems Evaporation and transpiration Photosynthesis RP6: The effect of light intensity on the rate of photosynthesis 			
					 The lungs and gaseous exchange Respiration (aerobic and anaerobic) Metabolism and the liver Non-communicable disease 	
	 Assessment Multiple choice question quizzes (MCQs) in the middle of each term. Formal written assessment using past exam questions covering all content covered since the beginning of Year 9 at the end of Term 1. 		 Assessment MCQs in the middle of each term. Formal written assessment using past exam questions covering all content covered since the beginning of Year 9 at the end of Term 3. 		 Assessment MCQs in the middle of each term. Formal written assessment using past exam questions covering all content covered since the beginning of Year 9 at end of April/beginning of May. 	

	Autumn 1	Autumn 2	Spring 3	Spring 4	Summer 5	Summer 6
Year 10	 TOPIC 4 - Infection and response Communicable diseases Growing bacteria RP2: The effect of antiseptics or antibiotics on bacterial growth Preventing and treating disease Non-communicable disease 		 TOPIC 5 - Homeostasis and response The nervous system RP7: The effect of a factor on human reaction time The brain and the eye Hormonal control – blood glucose levels Reproduction and the menstrual cycle Homeostasis – controlling body temperature and removing waste. Plant hormones RP8: The effect of gravity or light on the growth of newly germinated seedlings 		TOPIC 6 - Inheritance, variation and evolution Types of reproduction DNA and inheritance Variation Evolution Classification	
	 Assessment MCQs in the middle of each term. Formal written assessment using past exam questions covering all content covered since the beginning of Year 9 at the end of Term 1. 		 Assessment MCQs in the middle of each term. Formal written assessment using past exam questions covering all content covered since the beginning of Year 9 at the end of Term 3. 		exam questions covering all content	

	Autumn 1	Autumn 2	Spring 3	Spring 4	Summer 5	Summer 6
Year 11	 Metabolism and the TOPIC 5 - Homeosta The nervous syste RP7: The effect or reaction time The brain and the Hormonal control levels 	f light intensity on ynthesis ology bic and anaerobic) ne liver sis and response em f a factor on human eye	 TOPIC 5 - Homeosta Homeostasis - contemperature and recomplete in the provided in the growth of new seedlings TOPIC 6 - Inheritance evolution Types of reproduction DNA and inheritance variation Evolution Fossils and extinction Classification 	entrolling body removing waste. If gravity or light on rely germinated Re, variation and etion action	 RP8: The effect of the growth of new seedlings RP9: Measure the common species 	t microscope f antiseptics or terial growth f concentration on tissue (osmosis) f pH on enzyme f light intensity on ynthesis f a factor on human f gravity or light on ly germinated e population size of a in a habitat of temperature on
	 Assessment MCQs in the middle of each term. Formal written assessment covering all content covered since the beginning of Year 9 at the end of Term 1. 		 Assessment Multiple choice question quizzes (MCQs) in the middle of each term. Mock exam paper mid-January. 		Assessment Mock exam end of April.	