Year Grou	p: 13 Subject: Biology	Term: Spring 2021	
Topic Key Learning points Assessment End Point: To understand the biochemical reactions of photosynthesis and respiration and Assessment			
Topic 5: Energy for Biological	 appreciate the importance of these reactions for Describe how ATP is formed through pheeting Know the structure of a mitochondrion a the cell. 	or living organisms.	
processes	 Be able to describe glycolysis, link react in terms of what is produced i.e. CO₂, N Know the structure for a chloroplast and occur in the chloroplast. Be able to describe the light-dependent photosynthesis. Know the limiting factors in photosynthe 	 where the different reactions of photosynthesis reaction and light-independent reaction in sis and how they limit the rate of photosynthesis. nophile plants and explain how those adaptations ongoing assessment of understanding. Teachers will provide students with targeted feedback, based on their test performance. 	
Topic 8: Origins of	 End Point: To understand the mechanisms that how our understanding of inheritance has developed evolution. Know that genetic variation occurs through the standard st	<i>t allow for genetic variation and be able to explain</i> <i>cloped over time to inform wider ideas about</i> angh sexual reproduction and that the heritability of At the end of the term students will have a summative assessment. Th will be a 60-mark exam pap	students will have a summative assessment. This will be a 60-mark exam paper
Genetic variation	 and recessive alleles. Be able to complete simple genetic diag Be able to complete di-hybrid crosses to Understand how to use statistical tools I and phenotypes of different traits. Understand that there are some non-Me of dominant and recessive. 	standing of genes through the idea of dominant trams to explain inheritance of different traits. o explain the inheritance of more than one trait. ike Chi-squared to predict the allelic frequencies endelian traits that do not follow the standard rules ation to assess the statistical likelihood of allelic	ir
	 Know that differing selection pressures Know that the founder effect and genetic 		