



Curriculum Plan year 13 A level biology
2016

Autumn Term	Spring Term	Summer Term
<p><i>Topic 1 - Energy transfers between organisms - Photosynthesis & respiration</i></p> <p><i>Topic 2 - Organisms respond to changes in their internal & external environments - stimuli, nervous coordination, skeletal muscles & homeostasis</i></p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 7 - Use of chromatography to investigate isolated pigments from different plants</i></p> <p><i>RPA 8 - investigating the effects of a named factor on the rate of dehydrogenase activity from chloroplast extracts</i></p> <p><i>RPA 9 - investigate the effects of a named variable upon the rate of respiration of cultures of single-celled organisms</i></p>	<p><i>Topic 3 - Genetics, populations, evolution and ecosystems - inheritance, populations, evolution and speciation, populations in ecosystems</i></p> <p><i>Topic 4 - The control of gene expression - alteration of bases, mutations, gene expression control, genome projects and gene technologies</i></p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 10 - investigate the effect of an environmental variable upon the movement of an animal using choice chambers or mazes</i></p> <p><i>RPA 11 - produce a serial dilution of glucose and use colorimetric techniques to produce a calibration curve to identify the concentration of glucose in an unknown "urine" sample</i></p>	<p><i>Revision of the modules in preparation for the summer examinations</i></p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 12 - investigate the effect of a named environmental factor upon the distribution of a named species</i></p>
<p>HALF TERM</p>		

Bishop Milner Catholic College



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