



Curriculum Plan A level Biology year 12
2016

Autumn Term	Spring Term	Summer Term
<p><i>Topic 1</i> - Biological molecules - carbohydrates, lipids, proteins and enzymes</p> <p><i>Topic 2</i> - Biological molecules - nucleic acids, DNA and water</p> <p><i>Topic 3</i> - Cells - cell structure</p> <p><i>Topic 4</i> - Cells - transport across cell membranes</p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 1 - Testing the effect of named variables upon the rate of an enzyme controlled reaction.</i></p> <p><i>RPA 2 - Preparing stained squashes from plant root tips.</i></p> <p><i>RPA 3 - Production of dilution series to produce a calibration curve to identify water potential of plant tissue</i></p>	<p><i>Topic 4</i> - Cells - transport across cell membranes</p> <p><i>Topic 5</i> - Cells - cell recognition and the immune system</p> <p><i>Topic 6</i> - Organisms & exchanging substances with their environment - exchange</p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 4 - Investigate the effects of a named variable upon the permeability of cell surface membranes</i></p> <p><i>RPA 5 - Dissection of lung, heart or plant stem</i></p>	<p><i>Topic 7a</i> - Organisms & exchanging substances with their environment - mass transport systems</p> <p><i>Topic 7b</i> - Organisms & exchanging substances with their environment - mammalian circulatory system</p> <p><i>Topic 8</i> - Genetic information, variation & relationships between organisms - DNA, genes & protein synthesis</p> <p><i>Topic 9</i> - Genetic information, variation & relationships between organisms - Genetic diversity</p> <p><i>Topic 10</i> - Genetic information, variation & relationships between organisms - Biodiversity</p> <p><i>Recommended Practical Activities:</i></p> <p><i>RPA 6 - Use of aseptic techniques to investigate the effect of antimicrobial substances upon microbial growth</i></p>
<p>HALF TERM</p>		

Bishop Milner Catholic College



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