



Curriculum Plan year 10 biology triple curriculum
2016

| Autumn Term | Spring Term | Summer Term |
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| <p>1. Respiration</p> <ul style="list-style-type: none"> a. Aerobic and anaerobic respiration b. Response to exercise c. Metabolism <p>Required Practical Activities in this module: None</p> <p>2. Homeostasis & Response (CKI)</p> <ul style="list-style-type: none"> a. Homeostasis b. Human nervous system - structure and function c. Hormonal control in humans d. <i>Triple only - Plant hormones</i> <p>Required practicals in this module: RPA 7. Plan and carry out an investigation upon a factor that affects human reaction times Triple only RPA 8. Investigate the effect of light or gravity on the growth of newly germinated seedlings.</p> | <p>3. Inheritance, variation and evolution</p> <ul style="list-style-type: none"> a. Reproduction b. Variation and evolution c. <i>Triple only - Development of understanding of genetics and evolution</i> <p>Required Practical Activities in this module: None</p> | <p>4. Ecology</p> <ul style="list-style-type: none"> a. Adaptations, interdependence and competition b. Organisation of an ecosystem c. Biodiversity and the effect of human interaction on ecosystems d. <i>Triple only - Trophic levels in an ecosystem</i> e. <i>Triple only - Food production</i> <p>Required practical activities in this module: RPA 9 - measure the population size of a common species in a habitat, use sampling techniques to investigate the effect of a factor on the distribution of this species. Triple only RPA 10 - Investigate the effect of temperature on the rate of decay of fresh milk by measuring the change in pH.</p> |
| <p>HALF TERM</p> | | |

Bishop Milner Catholic College



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