



**Catholic  
Memorial**  
HIGH SCHOOL

## Year Long Course Plan

**Department: Science**

**Course: IB Biology 2 HL 765/765**

**Essential Learning Outcomes:** After successfully completing this course, students will be able to:

1. Demonstrate a biology-specific, college-level understanding of:
  - Scientific facts and concepts
  - Scientific methods and techniques
  - Scientific terminology
  - Methods of presenting scientific information
2. Apply and use:
  - Scientific facts and concepts
  - Scientific methods and techniques.
  - Scientific terminology to communicate effectively
  - Appropriate methods to present scientific information
3. Construct, analyze and evaluate:
  - Research questions, hypotheses and predictions
  - Scientific methods and techniques
  - Scientific explanations
4. Demonstrate the personal skills of cooperation, perseverance and responsibility appropriate for effective scientific investigation and problem solving.
5. Demonstrate the manipulative skills necessary to carry out scientific investigations with precision and safety.

<b>Quarter 1</b>	<b>Quarter 2</b>
<b>Unit I: Evolution: The Modern Synthesis</b> <b>Unit II: Evolution: Origins and evidence</b> <b>Unit III: Digestion, Absorption and Assimilation</b>	<b>Unit IV: Circulation and Respiration</b> <b>Unit V: Immunity and Defense</b> <b>Unit VI: Excretion</b>
<b>Quarter 3</b>	<b>Quarter 4</b>
<b>Unit VII: Homeostasis and Hormonal Control</b> <b>Unit VIII: Reproduction</b> <b>Unit IX: Nervous Control</b>	<b>Unit IX: Nervous Control (Continued)</b> <b>Unit X: Muscles, Movement and Support</b>

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