



**Catholic  
Memorial**  
HIGH SCHOOL

**Year Long Course Plan**

**Department: Science**

**Course: Human Anatomy and Physiology 740/741**

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

1. Utilize critical thinking and scientific problem solving in designing and performing biological research and experimentation.
2. Describe the basic organization of the body using the appropriate anatomical concepts.
3. Discuss the biochemical composition of the human body.
4. Explore the relationship of the cell to the more complex levels of organization within the body.
5. Identify the structure and function of the human body systems, explore the interactions among the systems and investigate major disorders/diseases associated with each. These systems include:
  - a. Integumentary
  - b. Skeletal
  - c. Muscular
  - d. Nervous
  - e. Circulatory
  - f. Lymphatic
  - f. Respiratory
  - g. Endocrine
  - h. Digestive
  - i. Lymphatic
  - j. Urinary
  - k. Reproductive

<b>Quarter 1</b>	<b>Quarter 2</b>
<p><b>Unit I Organization of the Human Body</b></p> <p>Structural levels</p> <p>Directional terms</p> <p>Planes of body</p> <p>Body cavities</p> <p>Body systems</p> <p>Tissues</p> <p>Integumentary system</p>	<p><b>Unit II The Supporting Framework and Movement</b></p> <p>Skeletal system</p> <p>Muscular system</p>
<b>Quarter 3</b>	<b>Quarter 4</b>
<p><b>Unit III Coordination and Control of the Body</b></p> <p>Nervous system (structure)</p>	<p><b>Unit IV The Transport Systems</b></p> <p>Blood</p>

Nervous system (function)	Heart
Vision	Vascular System
Hearing and equilibrium	<b>Other Systems (briefly explored)</b>
Taste	Lymphatic
	Respiratory
	Endocrine
	Digestive
	Lymphatic
	Urinary
	Reproductive

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