

**RIDGECROFT SCHOOL  
ANATOMY AND PHYSIOLOGY I**

**PACING GUIDE**

TOPICS/CONCEPTS	TIME	CURRICULUM OBJECTIVES	RESOURCE: ESSENTIALS OF ANATOMY AND PHYSIOLOGY, Elaine Marieb (Prentice Hall)
<b>FIRST GRADING PERIOD</b>		<b>30 Days</b>	
THE HUMAN BODY: AN ORIENTATION	30	GOAL 1	TEXTBOOK: Chapter 1
BASIC CHEMISTRY		GOAL 2	TEXTBOOK: Chapter 2
<b>SECOND GRADING PERIOD</b>		<b>30 Days</b>	
CELLS AND TISSUES		GOAL 3	TEXTBOOK: Chapter 3
SKIN AND BODY MEMBRANES		GOAL 4	TEXTBOOK: Chapter 4
<b>THIRD GRADING PERIOD</b>		<b>30 Days</b>	
THE SKELETAL SYSTEM		GOAL 5	TEXTBOOK: Chapter 5
THE MUSCULAR SYSTEM		GOAL 6	TEXTBOOK: Chapter 6
REVIEW AND ASSESSMENT	5		
<b>FOURTH GRADING PERIOD</b>		<b>30 Days</b>	
THE NERVOUS SYSTEM		GOAL 7	TEXTBOOK: Chapter 7
SPECIAL SENSES		GOAL 8	TEXTBOOK: Chapter 8
<b>FIFTH GRADING PERIOD</b>		<b>30 Days</b>	
THE ENDOCRINE SYSTEM		GOAL 9	TEXTBOOK: Chapter 9
BLOOD		GOAL 10	TEXTBOOK: Chapter 10
<b>SIXTH GRADING PERIOD</b>		<b>30 Days</b>	
THE CARDIOVASCULAR SYSTEM		GOAL 11	TEXTBOOK: Chapter 11
THE LYMPHATIC SYSTEM AND BODY DEFENSES		GOAL 12	TEXTBOOK: Chapter 12
REVIEW AND ASSESSMENT	5		

11/5/06

**GOALS AND OBJECTIVES**

<b>COMPETENCY GOAL 1: THE LEARNER WILL DEVELOP AN UNDERSTANDING OF HUMAN BODY</b> including (1) difference of anatomy and physiology, (2) levels of structural organization, and (3) human functions
<b>COMPETENCY GOAL 2: THE LEARNER WILL DEVELOP AN UNDERSTANDING OF BASIC CHEMISTRY</b> including (1) matter and energy, (2) molecules and compounds, (3) chemical bonds and chemical reactions.
<b>COMPETENCY GOAL 3: THE LEARNER WILL DEVELOP AN UNDERSTANDING OF CELLS AND TISSUES</b> including (1) the cellular basis of life, (2) cell and cell physiology, (3) body tissues
<b>COMPETENCY GOAL 4: THE STUDENT WILL DEVELOP AN UNDERSTANDING SKIN AND BODY MEMBRANES</b> including (1) the body membranes, (2) the integumentary (skin) system
<b>COMPETENCY GOAL 5: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE SKELETAL SYSTEM</b> including (1) the bones, (2) the axial skeleton, (3) the appendicular skeleton, (4) the joints
<b>COMPETENCY GOAL 6: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE MUSCULAR</b>

<b>SYSTEM</b> including (1) muscle tissues, (2) skeletal muscle anatomy and activity, (3) muscle movement and types
<b>COMPETENCY GOAL 7: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE NERVOUS SYSTEM</b> including (1) organization, (2) structure and function, (3) central and peripheral
<b>COMPETENCY GOAL 8: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF SPECIAL SENSES</b> including (1) the eye and vision, (2) the ear and balance, (3) taste, (4) smell/
<b>COMPETENCY GOAL 9: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE ENDOCRINE SYSTEM</b> including (1) hormone function, (2) organs, (3) tissues
<b>COMPETENCY GOAL 10: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF BLOOD</b> including (1) the composition and functions, (2) hemostasis, (3) blood groups and transfusions, (4) blood groups and transfusions
<b>COMPETENCY GOAL 11: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE CARDIOVASCULAR SYSTEM</b> including (1) the heart, (2) the blood vessels
<b>COMPETENCY GOAL 12: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF THE LYMPHATIC SYSTEM AND BODY DEFENSES</b> including (1) the lymphatic system, (2) body defenses
<b>COMPETENCY GOAL 13: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF RESPIRATORY SYSTEM</b> including (1) functional anatomy, (2) respiratory physiology, (3) respiratory disorders
<b>COMPETENCY GOAL 14: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF DIGESTIVE SYSTEM AND BODY METABOLISM</b> including (1) anatomy, (2) functions, (3) nutrition, (4) metabolism
<b>COMPETENCY GOAL 15: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF URINARY SYSTEM</b> including (1) the kidneys, (2) ureters, urinary bladder, and urethra, (3) fluid, electrolyte, and acid-base balance
<b>COMPETENCY GOAL 16: THE STUDENT WILL DEVELOP AN UNDERSTANDING OF REPRODUCTIVE SYSTEM</b> including (1) anatomy of the male reproductive system, (2) male reproductive functions, (3) anatomy of the female reproductive system, (4) female reproductive functions and cycles, (5) mammary glands, (6) pregnancy and embryonic development