

Merrimack School District

Essential Learning Competencies

School	Merrimack High School
Discipline	Science
Course Title	Anatomy and Physiology

Quarter 1

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
1. Understand the topics and subfields of anatomy and physiology. Understand the meaning of homeostasis and how positive and negative feedback relate. Know the cavities and regions and be able to talk about them using directional terms and planes. Understand cell structure, function, and growth as well as know the tissue types.	Introduction to Anatomy and Physiology	Diagrams Worksheets Labs	Quizzes Tests
2. Understand the structure and function of the skin and its appendages.	Integumentary System	Diagrams Worksheets Labs	Quizzes Tests
3. Identify the role of the integumentary system in regulation of body temperature.	Integumentary System	Diagrams Worksheets Labs	Quizzes Tests
4. Students will be able to describe the major functions of the skeleton. Students will be able to label all the bones of the human	Skeletal System	Diagrams Worksheets Labs	Quizzes Tests

skeleton and name them by anatomical location.			
5.Students will explain how bones are classified and give an example of each type. Understand the role of the skeletal system in homeostasis.	Skeletal System	Diagrams Worksheets Labs	Quizzes Tests

Quarter 2

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
1.Students will identify the major skeletal muscles of the human body. Students will be able to describe the muscle structure and functions.	Muscle	Diagrams Worksheets Labs	Quizzes Tests
2.Students will understand how bones and muscles work together.	Skeletal Muscle	Diagrams Worksheets Labs	Quizzes Tests
3.Students will understand the functions/classifications of the nervous system as well as cell structure and divisions.	Nervous	Diagrams Worksheets Labs	Quizzes Tests
4.Students will describe the major components of blood.	Blood	Diagrams Worksheets Labs	Quizzes Tests
5.Students will be able to trace the pathway of blood through the cardiovascular system. Students will name the valves of heart and explain their functions.	Cardiovascular	Diagrams Worksheets Labs	Quizzes Tests

Quarter 3

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
1.			
2.			
3.			
4.			
5.			
6.			

Quarter 4

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
1.			
2.			
3.			
4.			
5.			
6.			