



**Course Name: Anatomy and Physiology**  
**School Year: 2021 - 2022**

**Course Purpose and Relevance:**

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

**Overview of Student Outcomes:**

- The student demonstrates professional standards/employability skills as required by business and industry.
- The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices. These investigations must involve actively obtaining and analyzing data with physical equipment but may also involve experimentation in a simulated environment as well as field observations that extend beyond the classroom.
- The student uses scientific methods and equipment during laboratory and field investigations
- The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside the classroom.
- The student evaluates the energy needs of the human body and the processes through which these needs are fulfilled.
- The student differentiates the responses of the human body to internal and external forces.
- The student examines the body processes that maintain homeostasis.
- The student examines the electrical conduction processes and interactions.
- The student explores the body's transport systems.
- The student investigates environmental factors that affect the human body.
- The student investigates the structure and function of the human body.
- The student describes the process of reproduction and growth and development.
- The student recognizes emerging technological advances in science.

**Available Support for Student Learning:**

Refer to the teacher's Course Syllabus for resources and course specific opportunities.  
Student textbook and/or digital version are available through the CCISD Student Portal.

**Link to Course TEKS on State website:**

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130h.html#130.224>

<b>Year-At-A-Glance</b>	<b>Department</b>	Science	<b>PEIMS Code</b>	
	<b>Subject Area</b>	Anatomy and Physiology ( <i>AA A&amp;P</i> )	<b>Grade Level</b>	11-12

Week	1 <sup>st</sup> Nine Weeks			2 <sup>nd</sup> Nine Weeks		3 <sup>rd</sup> Nine Weeks		4 <sup>th</sup> Nine Weeks		
	August	September	October	November	December	January	February	March	April	May
1		Cell Structure and Tissues	Integumen. System	Muscle System	Special Senses  Review	Brain Dissection	Cardiovascular System	Digestive System  End of 9 weeks	Urinary System	Cat/Pig Dissection STAAR AP Test
2		Cell Structure and Tissues	Skeletal System  End of 9 weeks	Nervous System	Special Senses  Review	Endocrine System	Lymphatic/Immune System	Spring Break	Reproductive System	Cat/Pig Dissection  AP tests
3	Human Anatomy and Introduction	Cell Structure and Tissues	Skeletal System	Nervous System	Semester Exams	Endocrine System	Lymphatic/Immune System	Respiratory System	Reproductive System	-Case Studies -Review Senior Final Exams
4	Human Anatomy and Introduction	Integum. System	Skeletal System	Thanks-giving	Holidays	Endocrine System	Digestive System	Respiratory System	Cat/Pig Dissection	Semester exams  End of school
5	Human Anatomy and Introduction		Muscle System					Urinary System		