Course Name: Anatomy and Physiology
School Year: 2025-2026

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:
A&P TEKS Link

Year-at-a-Glance 25-26	Subject	Anatomy & Physiology (On Level and Honors)

	First Semester Instruction
1st Nine Weeks	**Unit 1: Scientific and Engineering Practices** BB 1: Lab Safety in A&P (1C) BB 2: Exploring Phenomena through Inquiry and Engineering Design (1-4)
	Unit 2: Body Systems Basics BB 1: Directional Terminology (6B) BB 2: Characteristics of Living Organisms (6A, 6C) BB 3: Homeostasis (6D, 6E)
	Unit 3: Histology BB 1: Tissues (7A, 7B, 7C) BB 2: Metabolism (7D)
	Unit 4: Integumentary BB 1: Anatomy of the Skin (9A) BB 2: Tissue Repair & Scar Formation (9C) BB 3: Skin Color (9B) BB 4: Diseases & Disorders (9D)
	Unit 5: Skeletal BB 1: Anatomy of Bones (8A, 8B, 8C)
2nd Nine Weeks	**Unit 5 continued: Skeletal** BB 2: Physiological Functions and Bone Growth and Repair (8D, 8E) BB 3: Fractures and Diseases (8F, 8G, 19A, 19B)
	Unit 6: Muscular BB 1: Muscle Anatomy (10B, 10E, 10G) BB 2: Characteristics of Muscle (10B, 10C, 10D) BB 3: Muscle Physiology (10A, 10F, 10H, 10I)
	Unit 7: Nervous BB1: Divisions (11A, 11E, 11F) BB 2: Nervous Impulses (11G, 11H, 11I) BB: 3 Diseases and Disorders (11J, 19A, 19B) BB 4: Brain Anatomy in Relationship to the Senses (12A, 11D)
	Semester Exam Early Release 12/19

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	Second Semester Instruction
3rd Nine Weeks	**Unit 8: Special Senses** BB 1: Senses Basics (11A, 11B) BB 2: Cranial Nerves (11C)
	Unit 9: Endocrine BB 1: Anatomy of the Endocrine System (12A, 12B, 12C) BB 2: Homeostatic Regulation (12D, 12E) BB 3: Diseases and Disorders (12F, 19A, 19B)
	Unit 10: Cardiovascular BB 1: Anatomy of Cardiovascular System (14A, 14B) BB 2: Blood Flow (14C, 14E) BB 3: Blood Pressure (14D, 14F) BB 4: Interactions and Disorders (14G, 14H, 19A, 19B)
	Unit 11: Lymphatic & Immune BB 1: Basics and Blood Type (15A, 15B, 15D, 15E) BB 2: Immune Response (15C, 15E, 15F, 15G)
4th Nine Weeks	**Unit 12: Respiratory** BB 1: Anatomy of Respiratory System (17A, 17B) BB 2: Physiology of Respiratory System (17C, 17D) BB 3: Impacts on System (17E, 17F, 19A, 19B)
	Unit 13: Digestive BB 1: Structure and Function (16A, 16B) BB 2: Diseases and Disorders (16D, 19A, 19B)
	Unit 14: Urinary BB 1: Anatomy of the Urinary System (13A, 13B, 13C) BB 2: Fluid Balance (13D, 13E) BB 3: Interactions and Disease (13F, 13G, 19A, 19B)
	Unit 15: Reproductive BB 1: Anatomy of Reproductive System (18B, 18C) BB 2: Hormonal Cycles (18D, 18E) BB 3: Embryonic Development (18A) BB 4: Diseases and Disorders (18F, 19A, 19B)
	Semester Exam Early Release 5/21 P 5/22 | H 5/25