



## STAFFORD MUNICIPAL SCHOOL DISTRICT

### Year at a Glance

#### Science/CTE – Anatomy and Physiology

### Course Description:

**Anatomy and Physiology** is a course designed for students to conduct laboratory and field investigations centered around the human body. Students will use scientific methods during investigations and will make informed decisions using critical thinking/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. TEKS for this course are currently in the revision stage with new implementation beginning in 2023. Updates to this document will occur in 2022.

<b>Grading Periods</b>	<b>Unit Names</b>
Grading Period 1	<i>Science Safety and Investigations (embedded throughout all units)</i> <i>Unit 1: Foundations of Human Anatomy &amp; Physiology</i> <i>Unit 2: Cells, Cellular Processes, and Tissues</i> <i>Unit 3: Integumentary System</i>
Grading Period 2	<i>Unit 4: Bone Tissue and the Skeletal System</i> <i>Unit 5: Joints of the Skeletal System</i> <i>Unit 6: Muscular System</i>
Grading Period 3	<i>Unit 7: Basic Structure and Function of the Nervous System</i> <i>Unit 8: Divisions of the Nervous System</i> <i>Unit 9: Intro to Sensory Function</i>
Grading Period 4	<i>Unit 10: Endocrine System</i> <i>Unit 11: Blood, Lymphatic System, and Immunity</i> <i>Unit 12: Cardiovascular System</i>
Grading Period 5	<i>Unit 13: Respiratory System</i> <i>Unit 14: Digestive System, Nutrition, and Metabolism</i>
Grading Period 6	<i>Unit 15: Urinary System and Water, Electrolyte, and pH Balance</i> <i>Unit 16: Reproductive System, Pregnancy, Growth, and Development</i> <i>Unit 17: Demonstrating Practical Understanding of Anatomy and Physiology</i> <i>Unit 18: Technological Applications in Medicine</i>