



**Dover Area School District Curriculum K-U-D
High School Anatomy and Physiology II**

Standards	Eligible Content	Know	Understand	Do
BIO.A.1.2 Describe relationships between structure and function at biological levels of organization.	BIO.A.1.2.2 Describe and interpret relationships between structure and function at various levels of biological organization (i.e., organelles, cells, tissues, organs, organ systems, and multicellular organisms).	Students will know the anatomy of the following organ systems: cardiovascular, respiratory, lymphatic/immune, digestive, urinary, and reproductive.	The anatomy of each organ system supports the function of that system.	Identify the organ systems of the body and list the major organs found in each (cardiovascular, respiratory, immune/lymphatic, digestive, urinary, reproductive) Describe how the organs of the above systems work together to keep the body functioning.
		Students will know the physiology of the following organ systems: cardiovascular, respiratory, lymphatic/immune, digestive, urinary, and reproductive.	The body systems need to work together to maintain life.	Explain how the organs of each system contributes to the overall function of these systems: cardiovascular, respiratory, immune/lymphatic, digestive, urinary, reproductive). Identify and label the major organs of these systems: cardiovascular, respiratory, immune/lymphatic, digestive, urinary, reproductive).
BIO.A.4.2 Explain mechanisms that permit organisms to maintain biological balance between their internal and external environments.	BIO.A.4.2.1 Explain how organisms maintain homeostasis (e.g., thermoregulation, water regulation, oxygen regulation).	Students will know homeostasis, negative and positive feedback loops, examples of diseases that affect humans.	Homeostatic imbalance relates to disease and health.	Label a homeostatic feedback loop. Describe mechanisms to maintain homeostasis. Predict how diseases impact homeostasis.