

**TFSD Unwrapped Standard**  
**Health Occupations and Biology**  
Grade 10-12

**Power Standard (s) Reference:** Standard 4-Structure and function of the body's systems throughout the lifespan and how they relate to wellness/illness.

**State Standard:** 0.40 Anatomy and Physiology, 1.8 Vocabulary and Concept Development, Science 9-10.B.1.1.1.

**District Standard:** N/A

**TFSD Power Standard:**

Students will explain the structure and function of the body systems throughout the lifespan and how they relate to wellness/illness.

**Concepts:**

- Cells, growth and development, anatomy and physiology, disease, microscope

**Skills:**

- Identifying cells and tissues, relating structure and function of body to diseases, understanding normal and abnormal body development

**Identifying Big Ideas from Unwrapped Standards:**

1. Where do I come from?
2. My body has parts that do things and parts that make me who I am.
3. Every part of my body can have something go wrong with it, especially if I abuse it.

**Essential Questions from Big Ideas to Guide Instruction and Assessment:**

1. How does a human begin and what factors affect its healthy growth and development?
2. What is anatomy and physiology?
3. What common diseases or disorders are related to each body system?

**Possible Topics or Context: (what you will use to teach the concepts and skills-particular unit, lessons or activities)**

- **Labeling parts of the cell and body**
- **Describing the relationship between cells, tissues, organs and body systems.**
- **Create a working heart and circulatory system using tubing, pumps and water.**
- **Develop an advertising campaign focusing on the positive and negative aspects of lifestyle choices on a body system.**
- **Create a scientific poster presentation on a topic of interest that relates to one of the major body systems.**