



# Health Science Career Explorations (TBD)

## Scope and Sequence

**Course Description:** The Health Science Careers Exploration Class is designed to provide middle school students with the opportunity to develop skills and knowledge for health occupations. The class emphasizes medical terminology, basic healthcare skills, and basic human anatomy.

O O Z	Healthcare: Laying the Groundwork	Medical Terminology & Anatomy/Physiology	Healthcare Across the Lifespan	Traits of the Healthcare Professional	Technical Skills	
O O H	<ul style="list-style-type: none"> <li>-Define health care</li> <li>-Explore different careers in the healthcare setting.</li> <li>-Describe different types of healthcare facilities - both private and</li> </ul>	<ul style="list-style-type: none"> <li>- Identify levels of organization in a body system.</li> <li>- Identify the major organ systems in the body and how the systems work together to maintain homeostasis within the body.</li> <li>- Introduce disease transmission and how different</li> </ul>	<ul style="list-style-type: none"> <li>-Recognize ways that life stages affect an individual's needs for healthcare.</li> <li>- Introduce basic developmental differences across the lifespan.</li> <li>-Discuss how a patient's mental and physical health affect healthcare</li> </ul>	<ul style="list-style-type: none"> <li>-Identify personal traits and attitudes that will lead to workplace readiness.</li> <li>-Identify professional expectations in healthcare (dress, confidentiality, behavior)</li> <li>-Practice communication skills such as decision making, problem</li> </ul>	<ul style="list-style-type: none"> <li>-Demonstrate procedures for taking vital signs.</li> <li>-List normal ranges for vital signs.</li> <li>-Identify when a vital sign is not normal.</li> <li>-Obtain a certification in Cardiopulmonary resuscitation (CPR)</li> </ul>	

	government agencies	microbes affect the body systems.  - Define prefixes, suffixes and word roots	needs and outcomes.  -Recognize how socioeconomic status affects the state of one's health.	solving and efficient time management.  -Define scope of practice within different healthcare roles.  -Identify methods that can be used to show respect for cultural diversity.  -Identify how effective teamwork benefits the patients.	-Review important mathematical concepts as they relate to healthcare.	
<b>H I G H</b>	<a href="#">High School Pathways:</a> Health Science  <a href="#">Possible Careers to Explore:</a> Therapeutic Services Diagnostics Services Health Informatics Support Services Biotechnology Research and Development					
<b>R E S</b>	Put resources here for each unit and link to them if they are available online.  <a href="#">PSD Future Ready</a>					
<b>V O C</b>	<ul style="list-style-type: none"> <li>• Vocab Term list</li> <li>•</li> <li>•</li> </ul>				<ul style="list-style-type: none"> <li>• Vocab Term list</li> <li>•</li> </ul>	
<b>S T A</b>	<b>Standard 1: Academic Foundation</b>  1.1.1 Describe the organization of the human body and directional terms. 1.1.2 Identify basic structures and describe functions of human body systems.					

1.2.1 Describe etiology, pathology, diagnosis, treatment, and prevention of common diseases and disorders.

1.3.1 Demonstrate competency using basic math skills and mathematical conversions as they relate to healthcare.

**Standard 2: Communication**

2.2.1 Use common roots, prefixes, and suffixes to communicate information.

**Standard 3: Systems**

3.1.1 Differentiate healthcare delivery systems and healthcare related agencies.

**Standard 4: Employability Skills**

4.1.1 Identify personal traits and attitudes desirable in a career ready member of a health team.

4.1.2 Summarize professional standards as they apply to hygiene, dress, language, confidentiality, and behavior.

4.2.1 Apply employability skills/soft skills in healthcare.

4.3.2 Distinguish differences among careers within a health science pathway.

**Standard 5: Legal Responsibilities**

5.2.5 Describe the concept of scope of practice.

**Standard 6: Ethics**

6.2.2 Demonstrate respectful and empathetic treatment of all patients/clients/families.

**Standard 7: Safety Practices**


7.1.1 Explain principles of infection transmission.

**Standard 8: Teamwork**

8.1.1 Evaluate roles and responsibilities of healthcare team members.

8.1.2 Identify characteristics of effective teams.

**Standard 9: Health Maintenance Practices**

	<p>9.2.1 Discuss physical, mental, social, and behavioral development and its impact on healthcare.</p> <p>9.2.2 Identify socioeconomic determinants of health and wellness.</p> <p><b>Standard 10: Technical Skills</b></p> <p>10.1.1 Demonstrate procedures for measuring and recording vital signs in both normal and abnormal ranges.</p> <p>10.1.2 Obtain training or certification in CPR</p>
	<ul style="list-style-type: none"><li>• Students will affiliate with the high school they will be attending if possible.</li></ul>

**Notes:**

Career Exploration- XELLO can be used for any of these units to authentically engage students with industry.  
CTSO- HOSA