

HealthCenter21: Foundations in Health Science Technology Education Correlation to:

***Texas: Essential Knowledge & Skills for Health Science
Technology Education: 121.2. Introduction to Health
Science Technology*** UNITS

- INTRODUCTION TO HEALTH SCIENCE
- HEALTH CARE SYSTEMS
- LEGAL AND ETHICAL RESPONSIBILITIES
- MEDICAL TERMINOLOGY
- INFECTION CONTROL
- COMMUNICATIONS
- ANATOMY AND PHYSIOLOGY
- HUMAN GROWTH AND DEVELOPMENT
- MEDICAL MATHEMATICS
- WELLNESS AND NUTRITION
- CLIENT STATUS
- SAFETY PRECAUTIONS
- CPR METHODS
- EMERGENCY CARE
- PERSONAL QUALITIES
- HEALTH CARE CAREERS
- JOB SEEKING SKILLS

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Overview

This document demonstrates the correlation between the HealthCenter21: Foundations in Health Science Technology Education curriculum supplied by Applied Educational Systems and the *Health Science Education Standards: 121.2. Introduction to Health Science Technology*, published by the Texas Education Agency. The content areas are listed across the top row of the chart. The marks in the columns indicate that the standard is supported as part of the HealthCenter21 course.

Source for standards listed on the following pages:

Texas Education Agency. *Essential Knowledge and Skills for Health Science Technology Education: 121.2. Introduction to Health Science*. 1998

<<http://www.tea.state.tx.us/rules/tac/chapter121/ch121a.html#121.2>>.

<p>TEKS for Health Science Technology Education: 121.2. Introduction to Health Science Technology</p>	HealthCenter21	Introduction to Health Science	Health Care Systems	Legal and Ethical Responsibilities	Medical Terminology	Infection Control	Communications	Anatomy and Physiology	Human Growth and Development	Medical Mathematics	Wellness and Nutrition	Client Status	Safety Precautions	CPR Methods	Emergency Care	Personal Qualities	Health Care Careers	Job Seeking Skills
<p>(1) The student applies math, science, English language arts, and social studies in health science. The student is expected to:</p>																		
<p>(A) add, subtract, multiply, and divide rational numbers in health-related problems;</p>	✓									X								
<p>(B) apply data from tables, charts, and graphs to estimate and find solutions to health-related problems;</p>	✓									X								
<p>(C) organize, write, and compile ideas into reports and summaries;</p>	✓					X	X											
<p>(D) make contributions relevant to topics in group discussions;</p>	✓	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<p>(E) survey and research the historical significance of health care;</p>	✓		X															
<p>(F) describe the impact of health services on the economy;</p>	✓		X															
<p>(G) identify age and cultural influences that have impacted contemporary aspects of health care delivery;</p>	✓		X				X											
<p>(H) identify human needs according to Maslow's Hierarchy of Human Needs;</p>	✓								X									
<p>(I) describe the stages of development related to the life span; and</p>	✓								X									
<p>(J) identify the concepts of health and wellness through the life span.</p>	✓								X		X							
<p>(2) The student knows ethical behavior standards and legal responsibilities of health care professionals. The student is expected to:</p>																		
<p>(A) compare published professional codes of ethics;</p>	✓			X														

<p>TEKS for Health Science Technology Education: 121.2. Introduction to Health Science Technology</p>	<p>HealthCenter21</p>	<p>Introduction to Health Science</p>	<p>Health Care Systems</p>	<p>Legal and Ethical Responsibilities</p>	<p>Medical Terminology</p>	<p>Infection Control</p>	<p>Communications</p>	<p>Anatomy and Physiology</p>	<p>Human Growth and Development</p>	<p>Medical Mathematics</p>	<p>Wellness and Nutrition</p>	<p>Client Status</p>	<p>Safety Precautions</p>	<p>CPR Methods</p>	<p>Emergency Care</p>	<p>Personal Qualities</p>	<p>Health Care Careers</p>	<p>Job Seeking Skills</p>
(B) identify responsible and ethical behavior;	✓			X														
(C) identify ethical issues related to health care delivery;	✓			X														
(D) describe the consequences of breach of confidentiality;	✓			X														
(E) research and describe laws governing the health care industry; and	✓			X														
(F) differentiate between malpractice and negligence.	✓			X														
<p>(3) The student knows characteristics of a health care worker. The student is expected to:</p>																		
(A) describe personal characteristics of a health care worker from the perspective of a consumer; and	✓			X		X										X		
(B) select effective health and wellness routines for health care workers, including stress management.	✓									X								
<p>(4) The student knows the importance of the health care team in providing client care. The student is expected to:</p>																		
(A) explain the concept of teaming to provide quality health care; and	✓		X													X		
(B) explain the role of professional organizations in the preparation and governance of credentialed health care workers.	✓																X	
<p>(5) The student knows the leadership skills necessary to function in a democratic society. The student is expected to:</p>																		
(A) identify traits of a leader; and	✓															X		
(B) demonstrate skills, characteristics, and responsibilities of leaders and group members.	✓															X		

TEKS for Health Science Technology Education: 121.2. Introduction to Health Science Technology	HealthCenter21	Introduction to Health Science	Health Care Systems	Legal and Ethical Responsibilities	Medical Terminology	Infection Control	Communications	Anatomy and Physiology	Human Growth and Development	Medical Mathematics	Wellness and Nutrition	Client Status	Safety Precautions	CPR Methods	Emergency Care	Personal Qualities	Health Care Careers	Job Seeking Skills
(6) The student identifies the systems related to health occupations. The student is expected to:																		
(A) review health careers within the therapeutic, diagnostic, informational, and environmental systems;	✓	X																X
(B) identify the collaborative role of team members between systems to deliver quality health care; and	✓		X													X		
(C) identify technology utilized in each of the four systems.																		
(7) The student knows the systems that finance health care in a free enterprise society. The student is expected to:																		
(A) compare and contrast hospice, health maintenance organizations, preferred provider organizations, and other care providers;	✓		X															
(B) research and describe escalating health care costs and identify individual responsibility in cost containment; and	✓		X															
(C) research and describe industry efforts in cost containment, energy conservation, and accountability practices.	✓		X															
(8) The student uses technology to access, process, and retrieve information. The student is expected to:																		
(A) utilize keyboarding skills to access, process, and retrieve information; and																		
(B) describe technology applications in the health care industry.	✓		X				X											