



Practicum in Health Science

PRE-TEST/POST-TEST TEKS BLUEPRINT

Pre-Test/Post-Test Development Overview

TEKS Addressed Selection Process

The Texas Essential Knowledge & Skills (TEKS) included in the course pre-test and post-test were selected for their direct relevance to the course content. This selection process was guided by the goal of assessing learners' understanding of specific topics and skills that are integral to the course. As a result, TEKS related to general employability skills or broader topics were often excluded. This focus ensures that the assessments accurately measure students' mastery of the subject matter, allowing educators to gain a clear insight into areas where students excel or may need additional support. By concentrating on content-specific TEKS, the tests provide a more precise evaluation of the students' knowledge and understanding of the core material.

Test Question Development Process

The questions created for the pre-test and post-test were designed using psychometric principles to ensure they are of high quality and fairness. This approach helps to accurately assess student understanding. These principles guide the development of questions to be reliable, valid, and free from bias, ensuring that they effectively measure the knowledge and skills the students are expected to acquire in the course.

Practicum in Health Science Pre-Test/Post-Test TEKS Blueprint

Knowledge & Skills Statement	Student Expectation	ICEV Lesson Title
(2) The student applies mathematics, science, English language arts, and social sciences in health science. The student is expected to:	(A) interpret data from various sources in formulating conclusions	Mathematics in Health Science Scientific Procedures & Safety Scientific Reasoning & Problem Solving
(2) The student applies mathematics, science, English language arts, and social sciences in health science. The student is expected to:	(C) plan, prepare, and deliver a presentation	Scientific Procedures & Safety Scientific Reasoning & Problem Solving
(2) The student applies mathematics, science, English language arts, and social sciences in health science. The student is expected to:	(D) examine the environmental factors that affect homeostasis	Body Systems: Environmental Factors
(2) The student applies mathematics, science, English language arts, and social sciences in health science. The student is expected to:	(E) relate anatomical structure to physiological functions	Basic Anatomy & Physiology The Human Body: Digestive System The Human Body: Skeletal System The Human Body: The Circulatory System The Human Body: The Immune System The Human Body: The Integumentary System The Human Body: The Muscular System The Human Body: The Nervous System & Special Senses The Human Body: The Reproductive System The Human Body: The Respiratory System The Human Body: The Urinary System
(3) The student uses verbal and non verbal communication skills. The student is expected to:	(A) accurately report information according to facility policies and procedures	Medical Records
(3) The student uses verbal and non verbal communication skills. The student is expected to:	(B) demonstrate therapeutic communication skills to provide quality care	Medical Terminology: Translation & Communication
(3) The student uses verbal and non verbal communication skills. The student is expected to:	(C) employ therapeutic measures to minimize communication barriers	Medical Terminology: Translation & Communication
(5) The student employs ethical behavior standards and legal responsibilities. The student is expected to:	(A) identify individual ethical and legal behavior standards according to professional regulatory agencies	Health Science Safety & Regulations The Healthcare Industry: Ethics & Liability
(5) The student employs ethical behavior standards and legal responsibilities. The student is expected to:	(B) research case studies related to unethical behavior in the healthcare industry	The Healthcare Industry: Ethics & Liability
(6) The student employs a safe environment to prevent hazardous situations. The student is expected to:	(A) integrate regulatory standards such as standard precautions and safe patient handling	Health Science Safety & Regulations The Healthcare Industry: Safe Working Environments
(6) The student employs a safe environment to prevent hazardous situations. The student is expected to:	(B) evaluate hazardous materials according to the material safety data sheets	Health Science Safety & Regulations
(6) The student employs a safe environment to prevent hazardous situations. The student is expected to:	(C) apply principles of infection control and body mechanics in all aspects of the health care industry	Chain of Infection Principles of Body Mechanics
(7) The student explores the knowledge and skill levels necessary for advancing in the health care professions. The student is expected to:	(A) identify knowledge and skills that are transferable among health care professions	Medical Terminology: Translation & Communication Skills for Health Science Professionals
(7) The student explores the knowledge and skill levels necessary for advancing in the health care professions. The student is expected to:	(B) research career pathways pertaining to the health care industry	The Healthcare Industry: Introduction The Healthcare Industry: Introduction