

Health Science Technology II– Grade Levels 11-12 TEKS Manager

Credit: (2-4)

Place a check (✓) in each column to show TEKS taught.

	TEKS	1 st	2 nd	3 rd	4 th	5 th	6 th
(b) Introduction.							
(1) To pursue a career in health care, students should know how to learn, reason, think critically, make decisions, solve problems, and communicate effectively. Students should understand that quality health care depends on the ability to work well with others.							
(2) The health care industry is comprised of diagnostic, therapeutic, informational, and environmental systems that function individually and collaboratively to provide comprehensive health care. Students should understand the employment opportunities, technology, and safety requirements of each system. Students are expected to learn the knowledge and skills necessary to pursue a health career through further education and/or employment.							
(3) Professional integrity in health care is dependent on acceptance of ethical and legal responsibilities. Students are expected to understand their ethical and legal responsibilities, limitations, and the implications of their actions.							
(c) Knowledge and skills.							
(1) The student applies math, science, English language arts, and social studies in health science. The student is expected to:	(A) perform mathematical calculations appropriate to work-based learning situations;						
	(B) use measurement functions in multiple-step conversion problems;						
	(C) communicate using medical terminology;						
	(D) express ideas in writing and develop skills in documentation;						
	(E) interpret complex technical material related to health care;						
	(F) use multiple methods of presenting information, such as client teaching;						
	(G) assess biological and chemical processes that maintain homeostasis;						
	(H) associate the disease process with changes in homeostasis;						
	(I) identify the changes in structure and function due to trauma and disease;						
	(J) research and describe community health care resources; and						
(K) research and describe the role of an international society in the prevention							

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	and containment of disease.						
(2) The student uses verbal and non-verbal communication skills. The student is expected to:	(A) use language appropriate to the situation;						
	(B) evaluate client's ability to understand communication;						
	(C) identify language barriers and select alternative methods of communication;						
	(D) adapt communication to accommodate individual needs;						
	(E) practice verbal and nonverbal skills when communicating with persons with hearing and vision loss; and						
	(F) utilize telecommunication technology with appropriate supervision.						
(3) The student documents and archives data. The student is expected to:	(A) retrieve information from client records;						
	(B) report client information according to facility protocol; and						
	(C) review and summarize technical reports.						
(4) The student knows career options and the preparation necessary for employment in the health care industry. The student is expected to:	(A) research and describe specific health careers;						
	(B) demonstrate procedures to gain employment;						
	(C) identify entrepreneurship opportunities in the free enterprise system; and						
	(D) practice personal finance management.						
(5) The student solves problems and makes decisions. The student is expected to:	(A) demonstrate step-by-step procedures for problem solving;						
	(B) predict the impact of decisions on client care; and						
	(C) demonstrate appropriate response to emergency situations.						
(6) The student knows the knowledge and skills necessary to maintain employment. The student is expected to:	(A) comply with specific industry standards related to safety and substance abuse;						
	(B) fulfill attendance and punctuality expectations;						
	(C) articulate understanding of assignment;						
	(D) utilize medical vocabulary specific to the health care setting;						
	(E) apply principles of time management when performing tasks; and						
	(F) fulfill industry expectations related to professional conduct.						
(7) The student knows ethical behavior standards and legal responsibilities. The student is expected to:	(A) identify ethical dilemmas such as Do Not Resuscitate (DNR);						
	(B) comply with ethical behavior standards;						
	(C) comply with industry standards of confidentiality;						
	(D) comply with protocol of the health care setting;						
	(E) comply with legal requirements and function within the designated scope of						

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	practice; and						
	(F) comply with the client's Bill of Rights.						
(8) The student knows the leadership skills necessary to function in a democratic society. The student is expected to:	(A) identify leadership skills of health care professionals;						
	(B) research and describe the role of professional organizations in maintaining standards;						
	(C) participate in group dynamics;						
	(D) identify consensus-building techniques;						
	(E) use problem-solving skills to resolve conflicts;						
	(F) identify procedures for due process; and						
	(G) use parliamentary procedure to conduct meetings.						
(9) The student uses standard precautions to control the spread of infection. The student is expected to:	(A) comply with standard precautions; and						
	(B) practice prescribed techniques to prevent nosocomial infections.						
(10) The student maintains a safe environment to prevent hazardous situations. The student is expected to:	(A) identify and practice fire prevention according to facility protocol;						
	(B) maintain personal and client safety;						
	(C) apply principles of body mechanics to minimize personal and client injury;						
	(D) observe and report unsafe conditions; and						
	(E) follow protocol related to hazardous materials and situations.						
(11) The student knows wellness strategies for the prevention of disease. The student is expected to:	(A) research and describe wellness strategies for the prevention of disease;						
	(B) identify the availability of health screenings and examinations; and						
	(C) research and describe alternative health practices and therapies.						
(12) The student demonstrates skills in monitoring client health status during therapeutic and diagnostic procedures. The student is expected to:	(A) observe client during care and procedures;						
	(B) accurately measure and report client vital signs and other indicators of health status; and						
	(C) record client health status according to facility protocol.						
(13) The student follows the steps of diagnostic procedural set-ups. The student is expected to:	(A) identify and collect appropriate supplies and equipment necessary for a procedure;						
	(B) explain procedure to the client;						
	(C) maintain and calibrate equipment to monitor quality; and						
	(D) report abnormal results and take action.						
(14) The student demonstrates information management skills. The student is expected to:	(A) use technology to access, process and retrieve information with appropriate supervision;						
	(B) perform admission, discharge, and transfer functions;						

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	(C) accurately complete a variety of informational forms; and						
	(D) perform data entry skills to process client information.						
(15) The student maintains a clean and healthy environment. The student is expected to:	(A) monitor , observe, and report unsafe environmental conditions;						
	(B) prevent the spread of pathogens by cleaning, disinfecting, or sterilizing;						
	(C) maintain a sanitary food service environment and practice proper food handling procedures;						
	(D) conform to Occupational Safety and Health Administration (OSHA) standards and other regulatory guidelines; and						
	(E) practice recycling and waste management for containment costs and environmental protection.						
(16) The student demonstrates knowledge and skills specific to an occupational system. The student is expected to:	(A) know information specific to occupational areas; and						
	(B) perform occupationally-specific skills according to industry standards.						
(17) The student identifies equipment used in the health care industry. The student is expected to:	(A) identify electronic equipment used in diagnostic, therapeutic, informational, and environmental systems;						
	(B) use appropriate equipment in the delivery of health care services; and						
	(C) demonstrate problem-solving skills to repair, maintain, and operate equipment consistent with level of training.						