

Health Science Technology I– Grade Levels 10-12 TEKS Manager

Credit: (1)

Place a check (✓) in each 6 weeks column to show when 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) convert units between systems of measurements;						
	(B) use measurement functions for client assessment;						
	(C) interpret technical material related to health care;						
	(D) demonstrate use of precise language to clearly communicate ideas;						
	(E) plan and prepare effective oral presentations;						
	(F) describe biological and chemical processes that maintain homeostasis;						
	(G) identify principles of body mechanics and movement;						
	(H) analyze forces and the effects of movement, torque, tension, and elasticity on the human body;						
	(I) analyze the impact of local, state, and national government on the health care industry; and						
	(J) compare and contrast strategies used by various cultures to solve problems						

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	related to health.						
(2) The student knows verbal and nonverbal communication skills. The student is expected to:	(A) identify components of effective communication;						
	(B) identify barriers to effective communication;						
	(C) evaluate the use of verbal and nonverbal language in a variety of health care scenarios;						
	(D) adapt communication to the needs of the individual in a diverse society;						
	(E) develop communication skills that are responsive rather than reactive;						
	(F) accurately interpret, transcribe, and communicate medical vocabulary; and						
	(G) demonstrate use of appropriate telecommunications technology.						
(3) The student documents and archives client records. The student is expected to:	(A) review the structure and composition of client records;						
	(B) compile and record client data; and						
	(C) demonstrate the ability to chart and graph.						
(4) The student knows professional characteristics as defined by the health care industry. The student is expected to:	(A) identify professional characteristics of health care providers; and						
	(B) describe employer expectations such as communication, organizational skills, and productive work habits.						
(5) The student knows career options and the preparation necessary for employment in the health care industry. The student is expected to:	(A) locate , evaluate, and interpret career options and employment information;						
	(B) demonstrate the procedures necessary to seek and secure employment;						
	(C) demonstrate step-by-step procedures for problem solving;						
	(D) predict the impact of career decisions; and						
	(E) anticipate and adapt to changing employment situations.						
(6) The student knows the skills necessary to maintain employment. The student is expected to:	(A) identify employer expectations of punctuality, attendance, and time management;						
	(B) identify industry safety standards; and						
	(C) demonstrate appropriate actions in emergency situations.						
(7) The student knows ethical behavior standards and legal responsibilities. The student is expected to:	(A) recognize ethical behavior standards;						
	(B) identify ethical considerations resulting from technological advances;						
	(C) describe the effects of unethical practices on consumers;						
	(D) demonstrate the principles of confidentiality;						
	(E) identify legal requirements and scope of practice for students in health care delivery;						
	(F) recognize noncompliance and its effects; and						

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	(G) identify issues related to malpractice, negligence, and liability.						
(8) The student knows client's rights and choices. The student is expected to:	(A) evaluate situations related to client autonomy;						
	(B) review documentation related to client's rights and choices; and						
	(C) develop awareness of age, cultural, and religious diversity as it relates to client care.						
(9) The student identifies the leadership skills necessary to function in a democratic society. The student is expected to:	(A) demonstrate leadership skills for goal setting and team building; and						
	(B) demonstrate the ability to conduct effective meetings according to Robert's Rules of Order, Newly Revised.						
(10) The student uses standard precautions to control the spread of infection. The student is expected to:	(A) identify the cycle of the infectious process;						
	(B) identify guidelines of standard precautions; and						
	(C) demonstrate skills related to infection control.						
(11) The student knows the importance of maintaining a safe environment and eliminating hazardous situations. The student is expected to:	(A) identify regulatory agencies such as Occupational Safety and Health Administration (OSHA) and Food and Drug Administration (FDA);						
	(B) identify legislation that mandates an employer's obligation to provide a safe workplace;						
	(C) identify fire prevention and safety practices;						
	(D) recognize hazardous materials and situations;						
	(E) demonstrate safe use of chemicals and equipment;						
	(F) identify , demonstrate, and practice principles of body mechanics; and						
	(G) practice personal and client safety.						
(12) The student knows the technology utilized in the diagnostic, therapeutic, informational, and environmental systems. The student is expected to:	(A) identify equipment utilized in each of the four systems;						
	(B) utilize appropriate equipment in the delivery of health care services; and						
	(C) recognize and report equipment						

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	malfunctions.						
(13) The student demonstrates multi-competent health care worker knowledge and skills. The student is expected to:	(A) assess client status and accurately determine vital signs;						
	(B) move , lift, and transport clients safely;						
	(C) manage client hygiene;						
	(D) monitor client nutrition;						
	(E) respond to emergencies appropriately;						
	(F) demonstrate skills related to activities of daily living;						
	(G) demonstrate skills associated with rehabilitative care such as range of motion, positioning, and ambulation;						
	(H) evaluate techniques in dealing with stressful situations, such as trauma and death and dying;						
	(I) demonstrate skills in caring for the dying patient;						
	(J) manage client information appropriately; and						
(K) evaluate environmental management procedures.							
(14) The student uses technology to access, process, and retrieve information. The student is expected to:	(A) enhance keyboarding skills and correspond using electronic messages;						
	(B) identify the processes for collection and dissemination of health care data; and						
	(C) predict changes in technology.						