



Career & Technology Health Science III

Unit Name		By 6 Weeks			
Academic Alignment with TEKS	CTE TEKS	Content/Vocabulary	Guiding Questions	Activities	Resources and Web links
ELA (a)(1) (b)(6)b,c,e Math (alg 2) (a)1 Sci (biology) (b) (c)2 (c)4(b,c,d) S.S. 22 B	TEKS 1st 6 weeks (3) The student knows the knowledge and skills necessary to maintain employment. (F) demonstrate proficiency in medical terminology	Review of concepts of medical terminology	How are medical terms formed? What are the meanings of commonly used medical abbreviations?	Dean Vaughn videos	
ELA (a)(1) (b)(6)b,c,e Math (alg 2) (a)1 Sci (biology) (b) (c)2 (c)4(b,c,d) S.S. 22 B	(4) The student knows ethical behavior standards and legal responsibilities. (A) practice ethical behavior standards; (B) comply with industry standards of confidentiality; (C) comply with protocol and legal requirements and perform within the designated scope of practice (6) The student maintains a safe environment to prevent hazardous situations. The student is expected to: (A) comply with standard precautions (7) The student demonstrates multicompetent health care worker knowledge and skills. (D) identify emerging technologies in the health care industry	Review of concepts of Infection Control in Health Care	What are the links in the infection cycle? How can the cycle be broken at each link? How is proper handwashing performed? How are different pathogens addressed in patient infections and on environmental surfaces? What is meant by “Standard Precautions”? How do you select and apply proper PPE?	Handwashing practice Gloving practice PPE application practice IC video’s	
ELA (a)(1) (b)(6)b,c,e	(6) The student maintains a safe environment to prevent hazardous situations.	Review concepts of Disaster Preparedness related to the healthcare setting	How is triage carried out? How are patients safely evacuated? What are the different parts of	Fire extinguisher demo Fire safety video Patient transfer lab	



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<p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>The student is expected to: (C) develop a fire prevention plan; (D) respond to emergency situations consistent with level of training; (E) participate in a disaster drill; and (F) comply with regulatory standards and guidelines.</p>		<p>a hospital disaster plan? How is a fire extinguisher properly used?</p>		
<p>ELA (a)(1) (b)(6)b,c,e</p> <p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>(6) The student maintains a safe environment to prevent hazardous situations. The student is expected to: (A) comply with standard precautions; (B) teach principles of body mechanics to others; (D) respond to emergency situations consistent with level of training; (F) comply with regulatory standards and guidelines.</p>	<p>Review of Safety in the Workplace Concepts</p>	<p>What are proper body mechanics? What are basic concepts of electrical safety? What are basic concepts of chemical safety? What are the components of MSDS sheets?</p>	<p>Demo body mechanics Analyze MSDS sheets</p>	
<p>ELA (a)(1) (b)(6)b,c,e</p> <p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>(1) The student applies math, science, English language arts, and social sciences in health science. (E) identify the environmental factors that affect homeostasis; (F) observe and relate anatomical structure to physiological functions; (G) identify atypical anatomy and Physiology (6) The student maintains a safe environment to prevent hazardous situations (A) comply with standard precautions (F) comply with regulatory standards and guidelines (7) The student demonstrates</p>	<p>Review of vital signs assessment and interpretation</p>	<p>How are vitals obtained on patients of various ages? How are abnormal values identified and interpreted?</p>	<p>Vital signs practice</p>	

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	<p>multicompetent health care worker knowledge and skills. (A) identify knowledge and skills that are transferable among occupations; (B) predict client's needs for follow-up or alternative care; (C) update skills to enhance employability; and (D) identify emerging technologies in the health care industry.</p>				
<p>ELA (a)(1) (b)(6)b,c,e Math (alg 2) (a)1 Sci (biology) (b) (c)2 (c)4(b,c,d) S.S. 22 B</p>	<p>TEKS 2ND 6 weeks (1) The student applies math, science, English language arts, and social sciences in health science. (E) identify the environmental factors that affect homeostasis; (F) observe and relate anatomical structure to physiological functions; (G) identify atypical anatomy and Physiology</p>	<p>Student understands causes, symptoms, diagnosis and treatment of cancer</p>	<p>What causes cancer? What are it's implications? How can it be dealt with?</p>	<p>Lecture, research project</p>	
	<p>The student knows the knowledge and skills necessary to maintain employment. The student is expected to: (A) monitor and evaluate his/her own performance to ensure continuous improvement; (B) adjust career goals based on personal interests and clinical experiences;</p>	<p>Student will identify causes of and interventions for stress</p>	<p>What causes stress? How can I effectively deal with stress?</p>	<p>Directed imagery activity, lecture, stress assessment</p>	
<p>SS (18c)</p>	<p>(5) The student knows the importance of functioning as a health care team member.</p>	<p>Student will understand and utilize conflict resolution strategies</p>	<p>How can a person in the professional environment handle interpersonal conflict?</p>	<p>Lecture, practice conflict resolution skills</p>	

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	<p>The student is expected to:</p> <p>(B) refine consensus-building techniques;</p> <p>(C) manage conflicts using peer mediation, problem-solving, and negotiation skills</p>				
<p>ELA (a)(1) (b)(6)b,c,e</p> <p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>TEKS 3RD 6 weeks</p> <p>(1) The student applies math, science, English language arts, and social sciences in health science.</p> <p>(E) identify the environmental factors that affect homeostasis;</p> <p>(F) observe and relate anatomical structure to physiological functions;</p> <p>(G) identify atypical anatomy and Physiology</p>	<p>Student will understand the physical, psychological, and social implications of sexuality and pregnancy?</p>	<p>What changes during pregnancy? How does a pregnancy get terminated? How do I identify an STD? What are the possible complications of pregnancy and childbirth?</p>	<p>Lecture, ultrasound lab, childbirth simulation lab</p>	
<p>ELA 2B</p>	<p>(3) The student knows the knowledge and skills necessary to maintain employment.</p> <p>The student is expected to:</p> <p>(A) monitor and evaluate his/her own performance to ensure continuous improvement;</p> <p>(B) adjust career goals based on personal interests and clinical experiences;</p> <p>(C) describe the steps necessary for entrepreneurship in a free enterprise system;</p> <p>(D) identify and follow procedures for advancement, resignation, or relocation;</p> <p>(E) transfer knowledge and skills to new situations and apply problem-solving strategies;</p> <p>(F) demonstrate proficiency in medical</p>	<p>Student will demonstrate skills are necessary to maintain employability?</p>	<p>How do I market myself to potential employers?</p>	<p>Creation of employment related documents, interview practice</p>	



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	terminology; and (G) update skills to enhance employability.				
<p>ELA (a)(1) (b)(6)b,c,e</p> <p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>TEKS 4th 6 weeks</p> <p>(2) The student uses verbal and nonverbal communication skills.</p> <p>The student is expected to:</p> <p>(A) accurately describe observations and procedures related to client care;</p> <p>(B) demonstrate advanced communication skills to provide quality client care; and</p> <p>(C) identify barriers to communication and take measures to minimize their effects.</p> <p>(6) The student maintains a safe environment to prevent hazardous situations.</p> <p>The student is expected to:</p> <p>(A) comply with standard precautions;</p> <p>(B) teach principles of body mechanics to others;</p> <p>(7) The student demonstrates multicompetent health care worker knowledge and skills.</p> <p>The student is expected to:</p> <p>(A) identify knowledge and skills that are transferable among occupations;</p> <p>(B) predict client's needs for follow-up or alternative care;</p> <p>(C) update skills to enhance employability; and</p> <p>(D) identify emerging technologies in</p>	<p>Student will demonstrate/understand skills, functions, properties and risks associated with IV therapy?</p>	<p>What are indications/contraindications of IV therapy? How does one determine the appropriate fluid for a situation? What are potential complications of IV therapy?</p>	<p>Lecture, phlebotomy lab</p>	



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	the health care industry.				
ELA (a)(1) (b)(6)b,c,e Math (alg 2) (a)1 Sci (biology) (b) (c)2 (c)4(b,c,d) S.S. 22 B	TEKS 5th 6 weeks (1) The student applies math, science, English language arts, and social sciences in health science. The student is expected to: (A) interpret data from various sources to make conclusions; (D) plan, prepare, and deliver a presentation; (E) identify the environmental factors that affect homeostasis; (F) observe and relate anatomical structure to physiological functions; (G) identify atypical anatomy and physiology; (H) use the scientific method to prepare clinical case studies; (I) compare and contrast community health issues of the United States with other countries;	Student will understand prevalent pathological conditions of the GI tract and how they manifest themselves and how are they treated?	What are the implications of GI pathologies?	Lecture, NG intubation lab	
ELA (a)(1) (b)(6)b,c,e Math (alg 2) (a)1 Sci (biology) (b) (c)2 (c)4(b,c,d) S.S. 22 B	TEKS 6th 6 weeks (1) The student applies math, science, English language arts, and social sciences in health science. The student is expected to: (A) interpret data from various sources to make conclusions; (D) plan, prepare, and deliver a presentation; (E) identify the environmental factors that affect homeostasis; (F) observe and relate anatomical	Student will understand pathologies of the respiratory system.	What are the symptoms, etiologies, and treatments of common respiratory illnesses and conditions?	Lecture, ETT intubation lab	



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	<p>structure to physiological functions; (G) identify atypical anatomy and physiology; (H) use the scientific method to prepare clinical case studies; (I) compare and contrast community health issues of the United States with other countries;</p>				
<p>ELA (a)(1) (b)(6)b,c,e</p> <p>Math (alg 2) (a)1</p> <p>Sci (biology) (b) (c)2 (c)4(b,c,d)</p> <p>S.S. 22 B</p>	<p>(1) The student applies math, science, English language arts, and social sciences in health science. The student is expected to: (A) interpret data from various sources to make conclusions; (D) plan, prepare, and deliver a presentation; (E) identify the environmental factors that affect homeostasis; (F) observe and relate anatomical structure to physiological functions; (G) identify atypical anatomy and physiology; (H) use the scientific method to prepare clinical case studies; (I) compare and contrast community health issues of the United States with other countries;</p>	<p>Student will understand and recognize pathologies common to pediatrics.</p>	<p>What are the symptoms, etiologies, and treatments of common pediatric illnesses and conditions?</p>	<p>Lecture, developmental concepts lab</p>	