

Course Title: Health Science Theory 1b

State: TX
State Course Title: Health Science Theory
State Course Code: 130.231
State Standards: Texas Essential Knowledge and Skills for Career and Technical Education
Date of Standards: 2017-18

TEKS	Course Title (a or b), if applicable, e.g. Game Design 1a	Unit Name(s)	Lesson(s) Numbers
(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:			
(A) express ideas in a clear, concise, and effective manner; and	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 1-3
(B) exhibit the ability to cooperate, contribute, and collaborate as a member of a team.	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lesson 3
(C) model industry expectations of professional conduct such as attendance, punctuality, personal appearance, hygiene, and time management;	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lesson 3
(2) The student applies mathematics, science, English language arts, and social studies in health science. The student is expected to:			
(A) demonstrate care, empathy, and compassion;	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lesson 3
B) communicate medical information accurately and efficiently in language that patients can understand; and	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 1-3
(C) comply with Health Insurance Portability and Accountability Act (HIPAA) policy standards.	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lesson 3
(D) express ideas in writing and develop skills in documentation;	Health Science Theory 1ab	All Units	All Lessons
(E) explain the changes in structure and function due to trauma and disease; and	Health Science Theory 1b	Unit 7: Trauma and Complex Care	Lessons 1-4
(3) The student displays verbal and non-verbal communication skills. The student is expected to:			
(A) solve mathematical calculations appropriate to situations in a health-related environment;	Health Science Theory 1a	Unit 3: Using a New Language	Lesson 4

B) express ideas clearly in writing and develop skills in documentation related to health science;	Health Science Theory 1a	Unit 3: Using a New Language	Lessons 2, 3
(C) interpret complex technical material related to the health science industry;	Health Science Theory 1a	Unit 3: Using a New Language	Lessons 2, 3
(D) summarize biological and chemical processes that maintain homeostasis;	Health Science Theory 1b	Unit 6: Recognizing and Reacting to Emergencies	Lesson 1
(E) research the global impact of disease prevention and cost containment.	Health Science Theory 1a	Unit 1: A Trip Through the Exciting World of Healthcare	Lesson 4
(4) The student analyzes and evaluates communication skills for maintaining healthy relationships throughout the life span. The student is expected to:			
(A) demonstrate therapeutic communication appropriate to the situation;	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 2, 3
(B) use verbal and nonverbal skills when communicating with persons with sensory loss and language barriers in a simulated setting; and	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lesson 4
(C) use electronic communication devices in the classroom setting	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lesson 5
(D) evaluate the effectiveness of conflict resolution techniques in various simulated situations	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 2-4
(5) The student relates appropriate information to the proper authority in a simulated classroom setting. The student is expected to:			
(A) evaluate how healthy relationships influence career performance	Health Science Theory 1a	Unit 5: Get Well, Stay Well	Lesson 3
(B) identify the role of communication skills in building and maintaining healthy relationships;	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 1-3
(C) demonstrate strategies for communicating needs, wants, and emotions in a health care setting	Health Science Theory 1a	Unit 4: Communicate Like a Pro	Lessons 2-4
(6) The student identifies documents integrated into the permanent record of the health informatics system. The student is expected to:			
(A) research document formats such as dental and medical records	Health Science Theory 1b	Unit 2: Documentation	Lessons 1-4
(B) compile and record data according to industry-based standards.	Health Science Theory 1b	Unit 2: Documentation	Lessons 1-4
(C) record health information on paper and electronic formats such as patient history, vital statistics, and test results.	Health Science Theory 1b	Unit 2: Documentation	Lessons 1-4

(7) The student describes academic requirements necessary for employment in the health science industry. The student is expected to:			
(A) research education, certification and licensing for specific health science careers; and	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lessons 1, 2
(B) examine employment procedures for a specific health science career such as resume building, application completion, and interviewing.	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lessons 1, 2
(8) The student identifies problems and participates in the decision-making process. The student is expected to:			
(A) analyze systematic procedures for problem solving;	Health Science Theory 1b	Unit 4: Collaboration in Healthcare	Lessons 1-4
(B) evaluate the impact of decisions; and	Health Science Theory 1b	Unit 7: Trauma and Complex Care	Lessons 1-4
(C) suggest modifications based on decision outcomes.	Health Science Theory 1b	Unit 7: Trauma and Complex Care	Lessons 1-4
(9) The student implements the knowledge and skills of a health science professional in the classroom setting. The student is expected to:			
(A) comply with specific industry standards related to safety requirements	Health Science Theory 1a	Unit 6: Encountering Substance Abuse	Lessons 1, 3
(B) articulate comprehension of assignment;	Health Science Theory 1a	Unit 2: Adventures in Healthcare Careers	Lesson 3
(C) demonstrate skills related to assisting patients with activities of daily living such as dressing, undressing, grooming, bathing, and feeding;	Health Science Theory 1b	Unit 3: On the Job	Lessons 1-4
(D) determine proper equipment needed for patient ambulation such as gait belts, wheelchairs, crutches, or walkers;	Health Science Theory 1b	Unit 3: On the Job	Lessons 1-4
(E) perform admission, discharge, and transfer functions in a simulated setting;	Health Science Theory 1b	Unit 3: On the Job	Lessons 1-4
(F) demonstrate skills related to activities of daily living in rehabilitative care such as range of motion, positioning, and ambulation according to the health science industry standards, regulatory agency standards, and professional guidelines;	Health Science Theory 1b	Unit 3: On the Job	Lessons 1-4
(G) role play techniques used in stressful situations such as trauma and chronic and terminal illness;	Health Science Theory 1b	Unit 6: Recognizing and Reacting to Emergencies	Lessons 1-4
(H) demonstrate first aid, vital signs, cardiopulmonary resuscitation, and automated external defibrillator skills	Health Science Theory 1a	Unit 7: Meet the Patient	Lesson 4
(I) identify basic skills specific to a health science professional such as medical assistant, dental assistant, emergency medical technician-basic, phlebotomy technician, and pharmacy technician.	Health Science Theory 1a	Unit 6: Encountering Substance Abuse	Lessons 1, 3

(10) The student evaluates ethical behavioral standards and legal responsibilities. The student is expected to:			
(A) research and describe the role of professional associations and regulatory agencies;	Health Science Theory 1a	Unit 8: Legal and Ethical Considerations	Lessons 3, 4
(B) examine legal and ethical behavior standards such as Patient Bill of Rights, Advanced Directives	Health Science Theory 1a	Unit 8: Legal and Ethical Considerations	Lesson 2
(C) investigate the legal, ethical and professional ramifications of unacceptable behavior.	Health Science Theory 1a	Unit 8: Legal and Ethical Considerations	Lessons 1-4
(11) The student exhibits the leadership skills necessary to function in a democratic society. The student is expected to:			
(A) identify leadership skills of health science professionals;	Health Science Theory 1b	Unit 4: Collaboration in Healthcare	Lesson 4
(B) participate in group dynamics; and	Health Science Theory 1b	Unit 4: Collaboration in Healthcare	Lessons 1, 2
(C) integrate consensus-building techniques.	Health Science Theory 1b	Unit 4: Collaboration in Healthcare	Lesson 3
(12) The student maintains a safe environment. The student is expected to:			
(A) conform to governmental regulations and guidelines from entities such as the World Health Organization, Centers for Disease Control and Prevention, Occupational Safety and Health Administration, U.S. Food and Drug Administration, Joint Commission, and National Institute of Health;	Health Science Theory 1a	Unit 1: A Trip Through the Exciting World of Healthcare	Lesson 3
(B) explain protocol related to hazardous materials and situations such as personal protective equipment (PPE) and blood borne pathogen exposure;	Health Science Theory 1b	Unit 1: Safety in the Workplace	Lesson 3
(C) observe and report unsafe conditions; and	Health Science Theory 1b	Unit 1: Safety in the Workplace	Lessons 1-4
(D) support recycling and waste management for cost containment and environmental protection.	Health Science Theory 1b	Unit 1: Safety in the Workplace	Lesson 2
(13) The student assesses wellness strategies for the prevention of disease. The student is expected to:			
(A) research wellness strategies for the prevention of disease;	Health Science Theory 1a	Unit 5: Get Well, Stay Well	Lessons 2, 3
(B) evaluate positive and negative effects of relationships on physical and emotional health;	Health Science Theory 1a	Unit 5: Get Well, Stay Well	Lesson 3

(C) explain the benefits of positive relationships between community members and health professionals in promoting a healthy community;	Health Science Theory 1a	Unit 5: Get Well, Stay Well	Lesson 3
(D) research and analyze the effects of access to quality health care; and	Health Science Theory 1a	Unit 1: A Trip Through the Exciting World of Healthcare	Lesson 4
(E) research alternative health practices and therapies.	Health Science Theory 1a	Unit 5: Get Well, Stay Well	Lesson 4