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Correlation of *Health Science Concepts and Skills* ©2024 to the Texas Essential Knowledge and Skills, Health Science Theory

1: The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:

Standard 1A: express ideas in a clear, concise, and effective manner;

Breakout	Narrative	Activity
(i) express ideas in a clear manner	Health Science Concepts and Skills 2024 OLS: 233–234 (Verbal Communication)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #5)
(ii) express ideas in a concise manner	Health Science Concepts and Skills 2024 OLS: 233–234 (Verbal Communication)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #5)
(iii) express ideas in an effective manner	Health Science Concepts and Skills 2024 OLS: 233–234 (Verbal Communication) , 255–256 (Writing an Effective Email)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #5)

Standard 1B: exhibit the ability to cooperate, contribute, and collaborate as a member of a team; and

Breakout	Narrative	Activity
(i) exhibit the ability to cooperate as a member of a team	Health Science Concepts and Skills 2024 OLS: 41 (Did You Know?) , 267–269 (Teamwork)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #5)
(ii) exhibit the ability to contribute as a member of a team	Health Science Concepts and Skills 2024 OLS: 41 (Did You Know?) , 265 (Professionalism, second paragraph) , 269 (paragraph starting “An effective team...”)	Health Science Concepts and Skills 2024 OLS: 333 (Language Skills #2)
(iii) exhibit the ability to collaborate as a member of a team	Health Science Concepts and Skills 2024 OLS: 41 (Did You Know?) , 268 (first full paragraph) , 269 (Consensus Building)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #5) , 549 (Critical Thinking #6)



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Standard 1C: model industry expectations of professional conduct such as attendance, punctuality, appropriate professional dress, proper hygiene, and time management.

Breakout	Narrative	Activity
(i) model industry expectations of professional conduct such as attendance, punctuality, appropriate professional dress, proper hygiene, and time management	Health Science Concepts and Skills 2024 OLS: 271 (fourth paragraph under Trustworthy Employees) , 288 (Dressing for the Job Interview) , 273–274 (Appearance and Hygiene)	Health Science Concepts and Skills 2024 OLS: 275 (Lesson 8.1 Review #6) , 296 (Short Answer #1)

2: The student demonstrates patient-centered skills and interactions that foster trust and lead to a quality customer service experience. The student is expected to:

Standard 2A: demonstrate care, empathy, and compassion;

Breakout	Narrative	Activity
(i) demonstrate care	Health Science Concepts and Skills 2024 OLS: 183 (Third full paragraph, sentence beginning “It is critical for caregivers to remember...”) , 234 (sentence beginning “It is important that you demonstrate care...”)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3D)
(ii) demonstrate empathy	Health Science Concepts and Skills 2024 OLS: 253 (“Show empathy and respect” bullet) , 266 (Courteous Behavior, Real Life Scenario)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3D) , 266 (Real Life Scenario, Apply It #1)
(iii) demonstrate compassion	Health Science Concepts and Skills 2024 OLS: 183 (Third full paragraph, sentence beginning “It is critical for caregivers to remember...”) , 239 (Patients Who Are Distressed, second paragraph, sentence beginning “Put yourself in the patient’s place...”) , 266 (Courteous Behavior)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3D)

Standard 2B: communicate medical information accurately and efficiently in language that patients can understand; and

Breakout	Narrative	Activity
(i) communicate medical information accurately in language that patients can understand	Health Science Concepts and Skills 2024 OLS: 233–234 (Verbal Communication) , 236 (Verbal Communication Strategies, first paragraph, sentence beginning “Communicating medical information...”)	Health Science Concepts and Skills 2024 OLS: Lesson 7.1 Activity B: Oral Presentation , 261 (Critical Thinking Skills #3E)
(ii) communicate medical information efficiently in language that patients can understand	Health Science Concepts and Skills 2024 OLS: 233–234 (Verbal Communication) , 236 (Verbal Communication Strategies, first paragraph, sentence beginning “Communicating medical information...”)	Health Science Concepts and Skills 2024 OLS: Lesson 7.1 Activity B: Oral Presentation , 261 (Critical Thinking Skills #3E)

Standard 2C: comply with Health Insurance Portability and Accountability Act (HIPAA) policy standards.

Breakout	Narrative	Activity
(i) comply with Health Insurance Portability and Accountability Act (HIPAA) policy standards	Health Science Concepts and Skills 2024 OLS: 67 (Did You Know?) , 91 (HIPAA Privacy Protections) , 528–529 (HIPAA)	Health Science Concepts and Skills 2024 OLS: 92 (Real Life Scenario, Apply It #1–2) , 104 (Multiple Choice #7)

3: The student applies mathematics, science, English language arts, and social studies in health science. The student is expected to:

Standard 3A: solve mathematical calculations appropriate to situations in a healthcare-related environment;

Breakout	Narrative	Activity
(i) solve mathematical calculations appropriate to situations in a healthcare-related environment	Health Science Concepts and Skills 2024 OLS: 305 (Extend Your Knowledge) , 318 (Real Life Scenario) , 325 (Real Life Scenario)	Health Science Concepts and Skills 2024 OLS: 332 (Multiple Choice #11–12) , 333 (Math Skills #1–4) , 334 (Decimals #4, Percentages #6–7, Ratios #2–3, Algebra #6–8, Data Analysis #1–2, Measurement in Healthcare #1–10, Converting Measurements #1–10)

Standard 3B: express ideas clearly in writing and develop skills in documentation related to health science;

Breakout	Narrative	Activity
(i) express ideas clearly in writing	Health Science Concepts and Skills 2024 OLS: 254–256 (Written Communication Skills)	Health Science Concepts and Skills 2024 OLS: 71 (Extend Your Knowledge, Apply It #1) , 267 (Extend Your Knowledge) , 454–455 (Critical Thinking #5) , 549 (Critical Thinking #7)
(ii) develop skills in documentation related to health science	Health Science Concepts and Skills 2024 OLS: 532–533 (Guidelines for Documentation in electronic Health Records, Correcting the Electronic Health Record)	Health Science Concepts and Skills 2024 OLS: 537 (Lesson 15.1 Review #4) , 549 (Critical Thinking #7)

Standard 3C: interpret complex technical material related to the health science industry;

Breakout	Narrative	Activity
(i) interpret complex technical material related to the health science industry	Health Science Concepts and Skills 2024 OLS: 213–214 (Reading Difficult Material) , 527–528 (paragraph starting “Working with computers can be challenging...”)	Health Science Concepts and Skills 2024 OLS: 549 (Critical Thinking #3)

Standard 3D: summarize biological and chemical processes in the body such as maintaining homeostasis; and

Breakout	Narrative	Activity
(i) summarize biological processes in the body	Health Science Concepts and Skills 2024 OLS: 393–395 (The Respiratory System) , 404–405 (Antigens and Antibodies) , 409–412 (The Reproductive System)	Health Science Concepts and Skills 2024 OLS: 416 (Short Answer #5, Critical Thinking #1)
(ii) summarize chemical processes in the body	Health Science Concepts and Skills 2024 OLS: 374–375 (Homeostasis) , 392–393 (The Endocrine System) , 405–407 (The Gastrointestinal System)	Health Science Concepts and Skills 2024 OLS: 416 (Short Answer #5, Critical Thinking #1)

Standard 3E: research topics related to health science such as the global impact of disease prevention.

Breakout	Narrative	Activity
(i) research topics related to health science such as the global impact of disease prevention	Health Science Concepts and Skills 2024 OLS: 450–451 (Global Disease Prevention and Cost Containment)	Health Science Concepts and Skills 2024 OLS: 454–455 (Critical Thinking #5)

4: The student demonstrates verbal, non-verbal, and electronic communication skills. The student is expected to:

Standard 4A: demonstrate therapeutic communication appropriate to the situation;

Breakout	Narrative	Activity
(i) demonstrate therapeutic communication appropriate to the situation	Health Science Concepts and Skills 2024 OLS: 252–253 (Strategies for Active Listening) , 266 (paragraph beginning “As you begin...”)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3) , 295 (Multiple Choice #4)

Standard 4B: use appropriate verbal and non-verbal skills when communicating with persons with sensory loss and language barriers in a simulated setting; and

Breakout	Narrative	Activity
(i) use appropriate verbal skills when communicating with persons with sensory loss in a simulated setting	Health Science Concepts and Skills 2024 OLS: 237–239 (Patients with Hearing Conditions, Patients with Vision Conditions)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3D) , 523 (Critical Thinking #6)
(ii) use appropriate verbal skills when communicating with persons with language barriers in a simulated setting	Health Science Concepts and Skills 2024 OLS: 240 (Language Barriers to Communication)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3E) , 523 (Critical Thinking #6) , 695 (Critical Thinking #3)
(iii) use appropriate non-verbal skills when communicating with persons with sensory loss in a simulated setting	Health Science Concepts and Skills 2024 OLS: 249 (paragraph beginning “Frequently, what you say...”)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3D) , 523 (Critical Thinking #6)
(iv) use appropriate non-verbal skills when communicating with persons with language barriers in a simulated setting	Health Science Concepts and Skills 2024 OLS: 249 (paragraph beginning “Frequently, what you say...”)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #3E) , 523 (Critical Thinking #6) , 695 (Critical Thinking #3)

Standard 4C: use electronic communication devices in the classroom or clinical setting appropriately.

Breakout	Narrative	Activity
(i) use electronic communication devices in the classroom or clinical setting appropriately	Health Science Concepts and Skills 2024 OLS: 255–256 (Writing an Effective Email, Sending a Fax) , 527–528 (Healthcare Computer Systems)	Health Science Concepts and Skills 2024 OLS: 549 (Critical Thinking #6)

5: The student analyzes and evaluates communication skills for maintaining healthy relationships in the healthcare workplace. The student is expected to:

Standard 5A: evaluate how healthy relationships influence career performance;

Breakout	Narrative	Activity
(i) evaluate how healthy relationships influence career performance	Health Science Concepts and Skills 2024 OLS: 235 (Forming Positive Professional Relationships) , 267–271 (Teamwork, Conflict Resolution) , 292 (bullet beginning “Maintain appropriate relationships with coworkers.”)	Health Science Concepts and Skills 2024 OLS: 43 (Extend Your Knowledge, Apply It #2)

Standard 5B: identify the role of communication skills in building and maintaining healthy relationships;

Breakout	Narrative	Activity
(i) identify the role of communication skills in building healthy relationships	Health Science Concepts and Skills 2024 OLS: 235 (Forming Positive Professional Relationships)	Health Science Concepts and Skills 2024 OLS: 523 (Critical Thinking #7)
(ii) identify the role of communication skills in maintaining healthy relationships	Health Science Concepts and Skills 2024 OLS: 235 (Forming Positive Professional Relationships)	Health Science Concepts and Skills 2024 OLS: 523 (Critical Thinking #7)

Standard 5C: demonstrate strategies for communicating needs, wants, and emotions in a healthcare setting; and

Breakout	Narrative	Activity
(i) demonstrate strategies for communicating needs in a healthcare setting	Health Science Concepts and Skills 2024 OLS: 32 (Consumer Responsibility) , 236 (Expressing Wants and Needs)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #5)
(ii) demonstrate strategies for communicating wants in a healthcare setting	Health Science Concepts and Skills 2024 OLS: 236 (Expressing Wants and Needs)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #5)
(iii) demonstrate strategies for communicating emotions in a healthcare setting	Health Science Concepts and Skills 2024 OLS: 236 (Emotions)	Health Science Concepts and Skills 2024 OLS: 260 (Multiple Choice #6) , 261 (Critical Thinking #5)

Standard 5D: evaluate the effectiveness of conflict-resolution techniques in various simulated healthcare workplace situations.

Breakout	Narrative	Activity
(i) evaluate the effectiveness of conflict-resolution in various simulated healthcare workplace situations	Health Science Concepts and Skills 2024 OLS: 270–271 (Conflict Resolution, including Real Life Scenario)	Health Science Concepts and Skills 2024 OLS: 261 (Critical Thinking #5) , 270 (Real Life Scenario, Apply It #1–2)

6: The student documents and records medical information into a permanent health record. The student is expected to:

Standard 6A: research document formats such as dental or medical records;

Breakout	Narrative	Activity
(i) research document formats such as dental or medical records	Health Science Concepts and Skills 2024 OLS: 530–533 (Electronic Health Records (EHRs))	Health Science Concepts and Skills 2024 OLS: 549 (Critical Thinking #7)

Standard 6B: prepare health documents or records according to industry-based standards; and

Breakout	Narrative	Activity
(i) prepare health documents or records according to industry-based standards	Health Science Concepts and Skills 2024 OLS: 532–533 (Guidelines for Documentation in Electronic Health Records, Correcting the Electronic Health Record)	Health Science Concepts and Skills 2024 OLS: 549 (Critical Thinking #7)

Standard 6C: record health information on paper and electronic formats such as patient history, vital statistics, and test results.

Breakout	Narrative	Activity
(i) record health information on paper	Health Science Concepts and Skills 2024 OLS: 66 (second and third paragraphs) , 530–531 (second paragraph under Electronic Health Records (EHRs)) , 650–652 (Procedure 18.3, fourth bullet in Preparation and Reporting and Documentation)	Health Science Concepts and Skills 2024 OLS: 597 (Language Skills) , Procedure 18.3 Checklist: Assisting Patients with Meals (fourth bullet in #8 under Preparation and Reporting and Documentation)
(ii) record health information on electronic formats	Health Science Concepts and Skills 2024 OLS: 66 (second and third paragraphs) , 530–533 (Electronic Health Records (EHRs)) , 650–652 (Procedure 18.3, fourth bullet in Preparation and Reporting and Documentation)	Health Science Concepts and Skills 2024 OLS: 597 (Language Skills) , Lesson 7.1 Activity A: Taking Telephone Messages

7: The student describes industry requirements necessary for employment in health science occupations. The student is expected to:

Standard 7A: research education, certification, licensing, and continuing education requirements and salary related to specific health science careers; and

Breakout	Narrative	Activity
(i) research education requirements related to specific health science careers	Health Science Concepts and Skills 2024 OLS: 45–47 (Educational Requirements and Figure 2.5) , 51 (Figure 2.7) , 69 (Figure 2.26)	Health Science Concepts and Skills 2024 OLS: 77 (Career Exploration, Further Research #2) , 78 (Multiple Choice #4) , 79 (Critical Thinking #3A, Math Skills #3)
(ii) research certification requirements related to specific health science careers	Health Science Concepts and Skills 2024 OLS: 47–48 (Certification and Figure 2.5) , 58 (Phlebotomists) , 67 (last paragraph)	Health Science Concepts and Skills 2024 OLS: 49 (Lesson 2.1 Review #4) , 78 (Multiple Choice #9, Short Answer #2) , 79 (Math Skills #4)
(iii) research licensing requirements related to specific health science careers	Health Science Concepts and Skills 2024 OLS: 47 (Licensure and Figure 2.5) , 52 (first paragraph) , 64 (Figure 2.22)	Health Science Concepts and Skills 2024 OLS: 49 (Lesson 2.1 Review #4) , 78 (Short Answer #2) , 79 (Math Skills #4)

Breakout	Narrative	Activity
(iv) research continuing education requirements related to specific health science careers	Health Science Concepts and Skills 2024 OLS: 47 (Continuing Education) , 67 (last paragraph)	Health Science Concepts and Skills 2024 OLS: 79 (Critical Thinking #3A)
(v) research salary related to specific health science careers	Health Science Concepts and Skills 2024 OLS: 43–44 (first and second paragraphs) , 52 (third and fourth paragraphs)	Health Science Concepts and Skills 2024 OLS: 74 (Extend Your Knowledge) , 79 (Critical Thinking #3C, Math Skills #6)

Standard 7B: practice employment procedures for a specific health science career such as resume building, application completion, and interviewing.

Breakout	Narrative	Activity
(i) practice employment procedures for a specific health science career such as resume building, application completion, and interviewing	Health Science Concepts and Skills 2024 OLS: 277–282 (The Résumé, The Cover Letter) , 285–290 (The Job Application, The Job Interview)	Health Science Concepts and Skills 2024 OLS: Lesson 8.2 Activity A: The Résumé , Lesson 8.2 Activity B: Creating a Cover Letter , 296 (Multiple Choice #5–8 and 11, Short Answer #2) , 297 (Language Skills)

8: The student identifies problems and participates in the decision-making process. The student is expected to:

Standard 8A: apply critical-thinking, adaptability, and consensus-building skills to solve problems relevant to health science;

Breakout	Narrative	Activity
(i) apply critical-thinking skills to solve problems relevant to health science	Health Science Concepts and Skills 2024 OLS: 207–209 (Critical Thinking and Problem Solving) , 268 (first full paragraph)	Health Science Concepts and Skills 2024 OLS: 208 (Real Life Scenario, Apply It #3) , 229 (Critical Thinking #6)
(ii) apply adaptability skills to solve problems relevant to health science	Health Science Concepts and Skills 2024 OLS: 207 (Critical Thinking and Problem Solving, including last bullet)	Health Science Concepts and Skills 2024 OLS: 229 (Critical Thinking #6)
(iii) apply consensus building skills to solve problems relevant to health science	Health Science Concepts and Skills 2024 OLS: 269 (Consensus Building)	Health Science Concepts and Skills 2024 OLS: 296 (Short Answer #5)

Standard 8B: evaluate the impact of decisions in health science; and

Breakout	Narrative	Activity
(i) evaluate the impact of decisions in health science	Health Science Concepts and Skills 2024 OLS: 44 (Decision Making)	Health Science Concepts and Skills 2024 OLS: 45 (Real Life Scenario, Apply It #2) , 495 (Critical Thinking #4)

Standard 8C: suggest modifications to a decision or plan based on healthcare outcomes.

Breakout	Narrative	Activity
(i) suggest modifications to a decision or plan based on healthcare outcomes	Health Science Concepts and Skills 2024 OLS: 44 (Decision Making)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #4)

9: The student demonstrates comprehension and proficiency of clinical skills used by health science professionals in a classroom or clinical setting. The student is expected to:

Standard 9A: comply with specific industry standards related to safety requirements;

Breakout	Narrative	Activity
(i) comply with specific industry standards related to safety requirements	Health Science Concepts and Skills 2024 OLS: 109 (Quality Improvement and Safety, paragraph beginning "Today, healthcare facilities...") , 112–119 (Safety in Healthcare Facilities)	Health Science Concepts and Skills 2024 OLS: 160 (Critical Thinking #2) , 161 (Critical Thinking #5) , 196 (Critical Thinking #3) , 196 (Short Answer #9)

Standard 9B: employ medical vocabulary specific to the healthcare setting;

Breakout	Narrative	Activity
(i) employ medical vocabulary specific to the healthcare setting	Health Science Concepts and Skills 2024 OLS: 336–361 (Medical Terminology)	Health Science Concepts and Skills 2024 OLS: 364 (Medical Terms and Abbreviations #1–12) , 364 (Short Answer #1) , 364 (Critical Thinking #1 and #4)

Standard 9C: perform admission, discharge, and transfer functions in a simulated setting

Breakout	Narrative	Activity
(i) perform admission functions in a simulated setting	Health Science Concepts and Skills 2024 OLS: 655–658 (Admission)	Health Science Concepts and Skills 2024 OLS: Procedure 18.4 Checklist: Admission to a Healthcare Facility, 694 (Short Answer #4)
(ii) perform discharge functions in a simulated setting	Health Science Concepts and Skills 2024 OLS: 660–661 (Discharge)	Health Science Concepts and Skills 2024 OLS: Procedure 18.6 Checklist: Discharge from a Healthcare Facility, 694 (Short Answer #4), 695 (Critical Thinking #2)
(iii) perform transfer functions in a simulated setting	Health Science Concepts and Skills 2024 OLS: 658–659 (Transfer)	Health Science Concepts and Skills 2024 OLS: Procedure 18.5 Checklist: Transfer Within or to Another Facility, 694 (Short Answer #4)

Standard 9D: demonstrate skills related to assisting patients with activities of daily living such as dressing, undressing, grooming, bathing, and feeding;

Breakout	Narrative	Activity
(i) demonstrate skills related to assisting patients with activities of daily living such as dressing, undressing, grooming, bathing, and feeding	Health Science Concepts and Skills 2024 OLS: 636–652 (Assisting with Activities of Daily Living (ADL)), 669–671 (Providing Oral Care)	Health Science Concepts and Skills 2024 OLS: Procedure 18.1 Checklist: Giving a Total or Partial Bed Bath, Procedure 18.2 Checklist: Assisting Patients with Dressing and Undressing, Procedure 18.3 Checklist: Assisting Patients with Meals

Standard 9E: determine proper equipment needed for patient ambulation such as gait belts, wheelchairs, crutches, or walkers;

Breakout	Narrative	Activity
(i) determine proper equipment needed for patient ambulation such as gait belts, wheelchairs, crutches, or walkers	Health Science Concepts and Skills 2024 OLS: 143–154 (Ambulation)	Health Science Concepts and Skills 2024 OLS: 157 (Lesson 4.3 Review #3), 160 (Short Answer #5)

Standard 9F: demonstrates skills related to assessing range of motion and assisting with mobility, including positioning, turning, lifting, and transferring patients for treatment or examination;

Breakout	Narrative	Activity
(i) demonstrate skills related to assessing range of motion	Health Science Concepts and Skills 2024 OLS: 677–687 (Range-of-Motion Exercises)	Health Science Concepts and Skills 2024 OLS: Procedure 18.10 Checklist: Performing Range-of-Motion Exercises , 691 (Lesson 18.4 Review #2–3) , 694 (Multiple Choice #7 and #10)
(ii) demonstrate skills related to assisting with mobility, including positioning	Health Science Concepts and Skills 2024 OLS: 130–137 (Benefits of Positioning, Preventing Decubitus Ulcers, Safe Patient-Handling Techniques, Positioning Equipment, Positioning a Patient in Bed, Positioning a Patient in Bed Guidelines)	Health Science Concepts and Skills 2024 OLS: 140 (Real Life Scenario, Apply It #1) , 160 (Multiple Choice #9) , 161 (Language Skills)
(iii) demonstrate skills related to assisting with mobility, including turning	Health Science Concepts and Skills 2024 OLS: 137–139 (Turning a Patient)	Health Science Concepts and Skills 2024 OLS: 140 (Real Life Scenario, Apply It #1) , 157 (Lesson 4.3 Review #1) , 161 (Language Skills)
(iv) demonstrate skills related to assisting with mobility, including lifting	Health Science Concepts and Skills 2024 OLS: 142–143 (Lifting a Patient)	Health Science Concepts and Skills 2024 OLS: 159 (Multiple Choice #3) , 161 (Language Skills)
(v) demonstrate skills related to assisting with mobility, including transferring patients for treatment or examination	Health Science Concepts and Skills 2024 OLS: 139–141 (Transferring a Patient)	Health Science Concepts and Skills 2024 OLS: 160 (Short Answer #5) , 161 (Language Skills)

Standard 9G: role play techniques used in stressful situations such as situations involving trauma and chronic and terminal illness;

Breakout	Narrative	Activity
(i) role play techniques used in stressful situations such as situations involving trauma and chronic and terminal illness	Health Science Concepts and Skills 2024 OLS: 469–471 (Managing Stress) , 518 (third and fourth paragraphs) , 617–619 (Choking)	Health Science Concepts and Skills 2024 OLS: 470 (Real Life Scenario, Apply It #2–3) , 523 (Critical Thinking #4) , 689 (Real Life Scenario, Apply It #1–3)

Standard 9H: demonstrate first aid, vital signs, cardiopulmonary resuscitation, and automated external defibrillator skills; and

Breakout	Narrative	Activity
(i) demonstrate first aid skills	Health Science Concepts and Skills 2024 OLS: 598–625 (First Aid)	Health Science Concepts and Skills 2024 OLS: Procedure 17.1 Checklist: Responding to and Controlling Bleeding , Procedure 17.2 Checklist: Responding to Choking Using Abdominal Thrusts , Procedure 17.3 Checklist: Responding to Fainting , Procedure 17.4 Checklist: Responding to a Seizure , 629 (Language Skills)
(ii) demonstrate vital signs skills	Health Science Concepts and Skills 2024 OLS: 552–567 (Temperature) , 568–577 (Pulse and Respiration) , 578–585 (Blood Pressure)	Health Science Concepts and Skills 2024 OLS: Procedure 16.1 Checklist: Using a Digital Oral Thermometer , Procedure 16.2 Checklist: Using a Digital Rectal Thermometer , Procedure 16.3 Checklist: Using a Digital Axillary Thermometer , Procedure 16.4 Checklist: Using a Digital Tympanic Thermometer , Procedure 16.5 Checklist: Using a Digital Temporal Artery Thermometer , Procedure 16.6 Checklist: Measuring a Radial Pulse , Procedure 16.7 Checklist: Measuring an Apical Pulse , Procedure 16.8 Checklist: Counting Respirations , Procedure 16.9 Checklist: Taking Blood Pressure , Procedure 16.10 Checklist: Measuring the Height and Weight of Ambulatory Patients , Procedure 16.11 Checklist: Measuring the Height of Bedridden Patients , Procedure 16.12 Checklist: Weighing Bedridden Patients Using a Hydraulic Patient Lift Scale , 597 (Short Answer #4) , 597 (Critical Thinking #1)
(iii) demonstrate cardiopulmonary resuscitation skills	Health Science Concepts and Skills 2024 OLS: 601–606 (Cardiopulmonary Resuscitation (CPR))	Health Science Concepts and Skills 2024 OLS: 629 (Critical Thinking #1–2)

Breakout	Narrative	Activity
(iv) demonstrate automated external defibrillator skills	Health Science Concepts and Skills 2024 OLS: 606–607 (Using an Automated External Defibrillator (AED))	Health Science Concepts and Skills 2024 OLS: Lesson 17.1 Activity B: Understanding CPR #14 , 608 (Lesson 17.1 Review #4–5) , 628 (Multiple Choice #6, Short Answer #3)

Standard 9I: perform basic skills specific to a health science profession such as medical assistant, dental assistant, emergency medical technician-basic, phlebotomy technician, and pharmacy technician.

Breakout	Narrative	Activity
(i) perform basic skills specific to a health science profession such as medical assistant, dental assistant, emergency medical technician-basic, phlebotomy technician, and pharmacy technician	Health Science Concepts and Skills 2024 OLS: 616 (Procedure 17.1: Responding to and Controlling Bleeding) , 623–624 (Procedure 17.4: Responding to a Seizure) , 630–691 (Working in Healthcare)	Health Science Concepts and Skills 2024 OLS: 694 (Short Answer #4) , 695 (Critical Thinking #4) , Procedure 18.7 Checklist: Preparing for an Examination , Procedure 18.8 Checklist: Teaching Oral Care , Procedure 18.9 Checklist: Filling a Prescription , Procedure 18.11 Checklist: Positioning an Unconscious Person

10: The student evaluates ethical behavior standards and legal responsibilities of a health science professional. The student is expected to:

Standard 10A: research and describe the role of professional associations and regulatory agencies;

Breakout	Narrative	Activity
(i) research the role of professional associations	Health Science Concepts and Skills 2024 OLS: 26 (Extend Your Knowledge) , 44 (first full paragraph)	Health Science Concepts and Skills 2024 OLS: 26 (Extend Your Knowledge) , 105 (Critical Thinking #4)
(ii) research the role of regulatory agencies	Health Science Concepts and Skills 2024 OLS: 23–25 (Government Agencies That Provide Healthcare Services)	Health Science Concepts and Skills 2024 OLS: 105 (Critical Thinking #4)
(iii) describe the role of professional associations	Health Science Concepts and Skills 2024 OLS: 26 (Extend Your Knowledge)	Health Science Concepts and Skills 2024 OLS: 105 (Critical Thinking #4)

Breakout	Narrative	Activity
(iv) describe the role of regulatory agencies	Health Science Concepts and Skills 2024 OLS: 23–25 (Government Agencies That Provide Healthcare Services)	Health Science Concepts and Skills 2024 OLS: 105 (Critical Thinking #4)

Standard 10B: examine legal and ethical behavior standards such as Patient Bill of Rights, advanced directives, and HIPAA; and

Breakout	Narrative	Activity
(i) examine legal standards	Health Science Concepts and Skills 2024 OLS: 82–86 (Medical Ethics and Legal Responsibilities) , 87–94 (Legal Protection for Patients and Healthcare Providers)	Health Science Concepts and Skills 2024 OLS: 105 (Critical Thinking #7)
(ii) examine ethical behavior standards	Health Science Concepts and Skills 2024 OLS: 82–86 (Medical Ethics and Legal Responsibilities) , 87–94 (Legal Protection for Patients and Healthcare Providers)	Health Science Concepts and Skills 2024 OLS: 84 (Extend Your Knowledge, Apply It #1–2) , 105 (Critical Thinking #7)

Standard 10C: investigate the legal, ethical, and professional ramifications of unacceptable or discriminatory behavior.

Breakout	Narrative	Activity
(i) investigate the legal ramifications of unacceptable or discriminatory behavior	Health Science Concepts and Skills 2024 OLS: 82–86 (Medical Ethics and Legal Responsibilities) , 96–99 (Medical Malpractice)	Health Science Concepts and Skills 2024 OLS: 92 (Real Life Scenario, Apply It #1–2) , 105 (Critical Thinking #3 and #6) , 105 (HOSA Event Prep—Medical Law and Ethics Case Study)
(ii) investigate the ethical ramifications of unacceptable or discriminatory behavior	Health Science Concepts and Skills 2024 OLS: 82–86 (Medical Ethics and Legal Responsibilities) , 483 (Professional Ramifications of Addiction and Substance Abuse)	Health Science Concepts and Skills 2024 OLS: 92 (Real Life Scenario, Apply It #1–2) , 105 (Critical Thinking #3 and #6)
(iii) investigate the professional ramifications of unacceptable or discriminatory behavior	Health Science Concepts and Skills 2024 OLS: 82–86 (Medical Ethics and Legal Responsibilities) , 483 (Professional Ramifications of Addiction and Substance Abuse)	Health Science Concepts and Skills 2024 OLS: 92 (Real Life Scenario, Apply It #1–2) , 105 (Critical Thinking #3 and #6)

11: The student exhibits the leadership skills necessary to function in a healthcare setting. The student is expected to:

Standard 11A: identify essential leadership skills of health science professionals;

Breakout	Narrative	Activity
(i) identify essential leadership skills of health science professionals	Health Science Concepts and Skills 2024 OLS: 53 (first paragraph) , 268 (third full paragraph)	Health Science Concepts and Skills 2024 OLS: 297 (Critical Thinking #7–8)

Standard 11B: assess group dynamics in real or simulated groups; and

Breakout	Narrative	Activity
(i) assess group dynamics in real or simulated groups	Health Science Concepts and Skills 2024 OLS: 268–269 (Team Dynamics)	Health Science Concepts and Skills 2024 OLS: 269 (Real Life Scenario, Apply It #2)

Standard 11C: integrate consensus-building techniques.

Breakout	Narrative	Activity
(i) integrate consensus-building techniques	Health Science Concepts and Skills 2024 OLS: 269 (Consensus Building)	Health Science Concepts and Skills 2024 OLS: 296 (Short Answer #5) , 269 (Real Life Scenario, Apply It #3)

12: The student maintains a safe environment. The student is expected to:

Standard 12A: describe governmental regulations and guidelines from entities such as World Health Organization (WHO), Centers for Disease Control and Prevention (CDC), Occupational Safety and Health Administration (OSHA), U.S. Food and Drug Administration (FDA), The Joint Commission, and the National Institute of Health (NIH), and Texas Department of State Health Services (DSHS);

Breakout	Narrative	Activity
(i) describe governmental regulations from entities	Health Science Concepts and Skills 2024 OLS: 23–25 (Government Agencies That Provide Healthcare Services) , 109–111 (Quality Improvement and Safety)	Health Science Concepts and Skills 2024 OLS: 70 (Extend Your Knowledge, Apply It #1) , 193 (Lesson 5.3 Review #4) , 196 (Multiple Choice #13)

Breakout	Narrative	Activity
(ii) describe governmental guidelines from entities	Health Science Concepts and Skills 2024 OLS: 109–111 (Quality Improvement and Safety) , 182 (first three paragraphs) , 190–191 (Needlestick Safety and Prevention Act, Protocol for Disposal of Hazardous Materials)	Health Science Concepts and Skills 2024 OLS: 180 (Lesson 5.2 Review #2) , 364 (Short Answer #5) , 629 (Critical Thinking #3)

Standard 12B: explain protocols related to hazardous materials and situations such as personal protective equipment (PPE) and blood borne pathogen exposure;

Breakout	Narrative	Activity
(i) describe governmental regulations from entities	Health Science Concepts and Skills 2024 OLS: 117 (Chemical Safety) , 123–127 (Employee Safety) , 191 (Protocol for Disposal of Hazardous Materials)	Health Science Concepts and Skills 2024 OLS: 196 (Short Answer #2)
(ii) describe governmental guidelines from entities	Health Science Concepts and Skills 2024 OLS: 116–117 (Electrical Safety) , 118–119 (Radiation Safety) , 123–127 (Employee Safety)	Health Science Concepts and Skills 2024 OLS: 160 (Critical Thinking #1) , 196 (Short Answer #2)

Standard 12C: describe how to assess and report unsafe conditions;

Breakout	Narrative	Activity
(i) describe how to assess unsafe conditions	Health Science Concepts and Skills 2024 OLS: 112–113 (Standard Safety Rules) , 601 (First Aid Guidelines)	Health Science Concepts and Skills 2024 OLS: 159 (Multiple Choice #1) , 160 (Multiple Choice #13) , 523 (Critical Thinking #8)
(ii) describe how to report unsafe conditions	Health Science Concepts and Skills 2024 OLS: 155 (Incident Reports, paragraph beginning “If you see unsafe practices or situations...”)	Health Science Concepts and Skills 2024 OLS: 523 (Critical Thinking #8) , 155 (Real Life Scenario, Apply It #1–3)

Standard 12D: identify the benefits of recycling and waste management for cost containment and environmental protection; and

Breakout	Narrative	Activity
(i) identify the benefits of recycling for cost containment	Health Science Concepts and Skills 2024 OLS: 193 (Recycling and Waste Reduction)	Health Science Concepts and Skills 2024 OLS: 196 (Critical Thinking #1)
(ii) identify the benefits of recycling for environmental protection	Health Science Concepts and Skills 2024 OLS: 193 (Recycling and Waste Reduction)	Health Science Concepts and Skills 2024 OLS: 196 (Critical Thinking #1)
(iii) identify the benefits of waste management for cost containment	Health Science Concepts and Skills 2024 OLS: 193 (Recycling and Waste Reduction)	Health Science Concepts and Skills 2024 OLS: 196 (Critical Thinking #1)
(iv) identify the benefits of waste management for environmental protection	Health Science Concepts and Skills 2024 OLS: 193 (Recycling and Waste Reduction)	Health Science Concepts and Skills 2024 OLS: 196 (Critical Thinking #1)

Standard 12E: demonstrate proper body mechanics to reduce the risk of injury.

Breakout	Narrative	Activity
(i) demonstrate proper body mechanics to reduce the risk of injury	Health Science Concepts and Skills 2024 OLS: 124–127 (Body Mechanics)	Health Science Concepts and Skills 2024 OLS: 129 (Lesson 4.2 Review #3) , 159 (Multiple Choice #3) , 161 (Language Skills)

13: The student assesses wellness strategies for the prevention of disease. The student is expected to:

Standard 13A: research wellness strategies for the prevention of disease;

Breakout	Narrative	Activity
(i) identify essential leadership skills of health science professionals	Health Science Concepts and Skills 2024 OLS: 486–487 (Disease Prevention)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #4)

Standard 13B: evaluate positive and negative effects of relationships on physical and emotional health;

Breakout	Narrative	Activity
(i) evaluate positive effects of relationships on physical health	Health Science Concepts and Skills 2024 OLS: 460 (fourth sentence under Social Health) , 462 (second	Health Science Concepts and Skills 2024 OLS: 494 (Short Answer #5) , 495 (Critical Thinking #7)

Breakout	Narrative	Activity
	paragraph under Social Support	
(ii) evaluate positive effects of relationships on emotional health	Health Science Concepts and Skills 2024 OLS: 472 (Healthy Relationships with Others)	Health Science Concepts and Skills 2024 OLS: 494 (Short Answer #5) , 495 (Critical Thinking #7)
(iii) evaluate negative effects of relationships on physical health	Health Science Concepts and Skills 2024 OLS: 484 (Conflict and Abuse)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #7)
(iv) evaluate negative effects of relationships on emotional health	Health Science Concepts and Skills 2024 OLS: 484 (Conflict and Abuse)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #7)

Standard 13C: explain the benefits of positive relationships between community members and health professionals in promoting a healthy community;

Breakout	Narrative	Activity
(i) identify essential leadership skills of health science professionals	Health Science Concepts and Skills 2024 OLS: 488–489 (Community Connections)	Health Science Concepts and Skills 2024 OLS: Lesson 13.2 Activity A: Health Literacy Discussion Questions #8

Standard 13D: research and analyze the effects of access to quality health care;

Breakout	Narrative	Activity
(i) research the effects of access to quality health care	Health Science Concepts and Skills 2024 OLS: 18–33 (The United States' Healthcare System Today) , 490 (first two paragraphs, Extend Your Knowledge)	Health Science Concepts and Skills 2024 OLS: 490 (Extend Your Knowledge, Apply It #2) , 495 (Critical Thinking #3)
(ii) analyze the effects of access to quality health care	Health Science Concepts and Skills 2024 OLS: 490 (first two paragraphs, Extend Your Knowledge)	Health Science Concepts and Skills 2024 OLS: 490 (Extend Your Knowledge, Apply It #2) , 495 (Critical Thinking #3)

Standard 13E: research alternative health practices and therapies; and

Breakout	Narrative	Activity
(i) research alternative health practices	Health Science Concepts and Skills 2024 OLS: 487–488 (Alternative Health Practices and Therapies)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #4)
(ii) research alternative therapies	Health Science Concepts and Skills 2024 OLS: 487–488 (Alternative Health Practices and Therapies)	Health Science Concepts and Skills 2024 OLS: 495 (Critical Thinking #4)

Standard 13F: explain the changes in structure and function of the body due to trauma and disease.

Breakout	Narrative	Activity
(i) explain the changes in structure of the body due to trauma	Health Science Concepts and Skills 2024 OLS: 403 (The Spleen, sentence beginning “Certain infections or traumatic blows...”) , 432 (first paragraph under Traumatic Disease) , 688–689 (first two paragraphs and bulleted list under Positioning an Unconscious Person)	Health Science Concepts and Skills 2024 OLS: 454 (Multiple Choice #10) , 454 (Critical Thinking #3–4)
(ii) explain the changes in structure of the body due to disease	Health Science Concepts and Skills 2024 OLS: 403–404 (Tonsils, paragraph beginning “On occasion, the tonsils can become overwhelmed...” under Tonsils) , 424 (second and third paragraphs under Hereditary or Genetic Disease) , 425 (second through fourth paragraphs of Congenital Disease) , 427 (Rickets) , 489 (Figure 13.24)	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #4)
(iii) explain the changes in function of the body due to trauma	Health Science Concepts and Skills 2024 OLS: 403 (The Spleen, sentence beginning “Certain infections or traumatic blows...”) , 432 (first paragraph under Traumatic Disease) , 688–689 (first two paragraphs and bulleted list under Positioning an Unconscious Person)	Health Science Concepts and Skills 2024 OLS: 454 (Multiple Choice #10) , 454 (Critical Thinking #3–4)
(iv) explain the changes in function of the body due to disease	Health Science Concepts and Skills 2024 OLS: 403–404 (paragraph beginning “On occasion, the tonsils can	Health Science Concepts and Skills 2024 OLS: 454 (Critical Thinking #4)



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Breakout	Narrative	Activity
	become overwhelmed... under Tonsils , 427 (Rickets) , 432 (first full paragraph)	