

CFISD Principles of Health Science

Scope and Sequence

Endorsement: Public Service

Cluster:Health Science

Meets advanced course requirement? NO

Program of Study: Diagnostic & Therapeutic Services

Meets foundation requirement for math, science, fine arts, English, LOTE? NO

Course Description:

This course is designed for students interested in medical and associated health careers. It gives an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical and/or work-based experiences available in the advanced health science courses.

TEKS link

- 1 credit
- Grades 9-11
- Lab supplies or fee may be required
- Required prerequisites: none
- Recommended prerequisites: none

Industry Certification/Credential: AHA Heartsaver CPR/AED and First Aid

TEA recognized IBC (to count toward program of study completion)? NO

Instructional Units	Grading Period
A. History of Medicine ○ Research and Analysis in Health Science TEKS c (2) E & M B. Patient Centered Considerations in Healthcare ○ Research and Analysis in Health Science TEKS c (2) P, Q ○ Individual Rights & Choices TEKS c (10) C & E C. Personal Qualities of a Healthcare Worker ○ Employability Skills TEKS c (1) C D. Communication Skills in Health Science ○ Communication and Teamwork TEKS c (3) A, b; ○ Types of communication TEKS c (3) A ○ Demonstrate effective communication skills TEKS c (3) B E. Leadership Skills and Teamwork ○ Traits of Leader TEKS c (4) A, B, C; c(2)(F) ○ Conflict resolution TEKS c (3) C ○ Teamwork TEKS c (1) B F. Research and Analysis in Health Science ○ Healthcare Systems i. Hospital Organizational Structure TEKS c (8) A; (12) A	N1/N2 (fall)

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ii. Healthcare Facilities iii. Government Agencies TEKS c (2) O; c (8) B; c (11) A iv. Insurance 1. Review documentation related to rights and choices TEKS (2)(10)(D) v. Cost Containment TEKS c (2) N G. Ethics and Legal Responsibilities (Employability Skills) ○ Legal and Ethics in healthcare TEKS c (9) A-E ○ Rights and Choices of the Individual TEKS c (10) A & D H. Health Science Career Pathways & Employability Skills ○ Careers TEKS c (2)(E); c (5) A, B; (c)(7)(B) ○ Educational Requirements and Degrees TEKS c (6) I. Employability Skills ○ Business and Accounting TEKS c (1) i. Phone etiquette ii. Office Management TEKS (c)(1)(C) iii. Money Management/Banking TEKS (c)(2)(B) 1. Check Writing 2. Budgeting 3. Deposit ○ World of Work TEKS c (7) i. Job Search/Job Application ii. Resume/Cover Letter 1. Organize, compile, and write ideas into reports and summaries (c)(2)(D) iii. Job Interview iv. Email etiquette/Thank you letter v. Soft Skills 1. Express ideas in a clear, concise, and effective manner (c)(1)(A)	
1. Medical Math ○ Conversions TEKS (c) (2) (A) & (B) ○ Roman numerals ○ Military time 2. Leadership Skills and Teamwork ○ Cardiovascular and Respiratory Systems ○ Vital Signs TEKS (c) (3) (D) i. Data and Measurements ○ First Aid/CPR TEKS (c)(11)(B) i. AHA First Aid / CPR Certification 3. Wellness Principles in Health Science ○ Directional Terms i. Body Directions, Planes, and Cavities TEKS (c) (3) (D) 4. Understanding Safety Requirements in Health Science & Wellness Principles	N3/N4 (spring)

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in Health Science ○ Safety i. Skeletal and Muscular Systems ii. Body Mechanics TEKS (c)(2)(H) iii. Range of Motion iv. Fire, Food, and Environmental Safety TEKS (c)(11)(B) & (C) ○ Computers and Technology in Health Care i. Technology Failure and Reporting of Equipment TEKS (c)(12)(B) & (C) 5. Individual Rights and Choices ○ Integumentary System ○ Infection Control TEKS(c) (10) (B) 6. Wellness Principles in Health Science ○ Human Growth and Development (reproductive/pregnancy) TEKS (c)(2)(I-L) ○ Death and Dying TEKS (c)(2)(I-L) 7. Individual Rights and Choices & Wellness Principles in Health Science ○ Digestive System ○ Nutrition TEKS (c)(10)(B); TEKS (c)(2) (G & K) ○ Wellness Principles in Health Science <i>*Throughout semester:</i> <i>Medical Terminology and Abbreviations, Technology, Body Systems</i> <i>- Accurately interpret, transcribe, and communicate medical vocabulary using appropriate technology TEKS (c)(3)(D)</i>	
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Primary Instructional Materials: *Diversified Health Occupations* 8th Edition by Simmers, Simmers - Nartker, Simmers - Kobelak : Cengage Learning 2014. (978-1-1-13369-361-1)