CTE Course Syllabus

Course Title: Principles of Health Science & Health Science Theory
Course Number: 8213.R000.X & 8215.HA00.X
Career Cluster: Health Science
Program of Study: Healthcare Therapeutics
School Year: 2026-2027
Instructors: Veronica Estrada & Arabihah Pilgrim (Ali-Winn)
School Website/Teacher Page: Clifton Career Development School | Austin ISD
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Phone: 512-414-3614
Teacher Support Hours: Monday - Friday 8:30am-9:00am and 3:45pm-4:15pm

Course Description

Welcome to **Principles of Health Science**! This course is designed to provide you with the foundational knowledge and practical skills necessary for a successful career in the **Health Care Industry** field.

Upon successful completion of this course, students will be able to:

- Describe elements of the field of Health Science
- Explain the role of various career pathways in Health Science
- Identify ways in which the delivery of healthcare has evolved.
- Explain how the contributions of individuals have advanced healthcare
- Identify recent advances in healthcare.
- Predict future advances in healthcare.
- Discuss reasons for the rising interest in alternative therapies.

Course Contents & Schedule

Fall Semester: Principles of Health Science

Unit 1: Health Informatics Career Pathway

- Career Skills in Health Informatics
- Fundamental Skills in Health Informatics
- Professional Knowledge in Health Informatics
- Academic Knowledge: Medical Terminology and Body Organization

Unit 2: Therapeutic Career Pathway

- Career Skills in Therapeutic Services
- Fundamentals Skills in Therapeutics Services
- Professional Skills in Therapeutic Services
- Academic Knowledge: Body Systems for Support and Movement

Unit 3: Therapeutic Career Pathway

- Diagnostic Career Pathway
- Fundamental Skills in Diagnostic Services
- Professional Knowledge in Diagnostic Services
- Academic Knowledge: Body Systems for Transportation and Exchange

Unit 4: Diagnostic Career Pathway

- Support Services Career Pathway
- Fundamental Skills in Support Services
- Professional Knowledge in Support Services
- Academic Knowledge: Body Systems for Maintenance and Continuation

Unit 5: Biotechnology Career Pathway

- Career Skills in Biotechnology Research and Development
- Fundamental Skills in Biotechnology Research and Development
- Professional Knowledge in Biotechnology Research and Development
- Academic Knowledge: Body Systems for Regulation and Communication

Spring Semester: Health Science Theory

Unit 1 Introduction to Healthcare

- Healthcare Laws and Ethics
- Safety and Infection Control

Unit 2 Academic Foundations

- Medical Terminology
- Anatomy and Physiology
- Disease

Unit 3 Critical Concepts in the Healthcare World

- Health and Wellness
- Lifespan Development
- Healthcare Technology

Unit 4 Healthcare Skills

- Vital Signs
- First Aid
- Assisting with Mobility
- Working in Healthcare

Unit 5 College and Career Readiness

- Communication Skills
- Medical Math Skills
- Study Skills
- Employability Skills

Rules for the Course

1. Respect your classmates, instructor, and all school property.
2. Follow all lab safety rules at all times.
3. Maintain a clean and organized workspace.

Grading Structure & Policies

Please reference the Clifton Grading Guidelines posted on our campus website for full information about our grading structure, policies, and make-up work.

Industry-Driven Certification:

This course provides foundational knowledge for the following industry-driven certification(s):

- Cardio Pulmonary Resuscitation (CPR), AED & First Aid

Non-Discrimination Statement

Clifton Career Development School is committed to a policy of non-discrimination and equal opportunity for all students, employees, and applicants. The Austin Independent School District offers career and technical education sequence of coursework based on the sixteen federally defined Career Clusters. Admission to these courses is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of the Austin Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendment of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended

Student & Guardian Acknowledgement

I have read and understand the syllabus for [Course Name] and agree to abide by the policies and procedures outlined.

Student Signature: _____ Date: _____
Guardian Signature: _____ Date: _____