

Health Care Pathway



PUBLIC SERVICE ENDORSEMENT

Required Level 1	Level 2	Level 3	Level 4
Principles of Health Science	Medical Terminology	Anatomy & Physiology (Recommended)	Health Science Theory/Clinical

- OR -

World Health Research

PRINCIPLES OF HEALTH SCIENCE

KISD #: 927018 **PEIMS:** 13020200
Grades: 9-10 **1.0 Credit**
Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers. This course provides 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 students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Optional Certification: CPR

MEDICAL TERMINOLOGY

KISD #: 927818 **PEIMS:** 13020300
Grades: 10-12 **1.0 Credit**
Prerequisite: Principles of Health Science
Note: Principles of Health Science may be taken concurrently for students in grades 10-11

Students will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

ANATOMY & PHYSIOLOGY

KISD #: 927118 **PEIMS:** 13020600
Grades: 11-12 **1.0 Credit/Science Credit Option**
Prerequisite: Biology I and Chemistry I
Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Students will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook.

Advanced Grade Points: Yes

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD #: 9271DC18 **PEIMS:** 13020600
Grades: 11-12 **1.0 Credit/Science Credit Option**
Prerequisite: Biology I and Chemistry I
Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving to study the structure and function of the human body. Emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the integumentary, skeletal, muscular, and nervous systems. Designed primarily for students entering health careers. This course is also listed in the Science section of the Catalog.

Advanced Grade Points: Yes
Dual Credit Correlation: BIOL 2401
Required Fee/Materials: Yes

WORLD HEALTH RESEARCH

KISD #: 928018

PEIMS: 13020900

Grades: 11-12

1.0 Credit

Prerequisite:

Biology I and Chemistry I

Students will examine major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

HEALTH SCIENCE THEORY and HEALTH SCIENCE CLINICAL

KISD #: 926918

PEIMS: 13020410

Grades: 11-12

2.0 Credits

Prerequisite:

Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology, World Health Research

Students will develop knowledge and skills related to a wide variety of health careers. Students will observe and assist professional health care personnel in clinical/hospital environments. Students must submit documentation of the following health screenings/status: Tuberculin skin test, proof of Rubella and Rubeola immunity, Varicella immunity, TDAP and Hepatitis B series immunization is required. Due to specific clinical/hospital requirements, student may be required to pass a criminal background check, drug screening, and/or verify personal health insurance coverage with insurer approved by the hospital/facility in order to participate in the course. Some of the hospital agreements may require students to provide documentation of citizenship status and/or a social security number. Students will be notified at the beginning of the course if other facilities have additional requirements. A uniform, name tag, stethoscope and professional liability insurance is required.

Required Fee/Materials: Yes

Advanced Grade Points: Yes

Transportation Needed: Yes

Approval Process: Yes