



Health Science

Principles of Health Science

TSDS PEIMS Code: 13020200 (PRINHLSC)

Grade Placement: 9–10

Credit: 1

Prerequisite: None.

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Medical Terminology

TSDS PEIMS Code: 13020300 (MEDTERM)

Grade Placement: 9–12

Credit: 1

Prerequisite: None.

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Anatomy and Physiology

TSDS PEIMS Code: 13020600 (ANATPHYS)

Grade Placement: 10–12

Credit: 1

Prerequisite: Biology and a second science credit.

Recommended Prerequisite: A course from the Health and Science Career Cluster.

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Note: *This course satisfies a science credit requirement for students on the Foundation High School Program.*

Medical Microbiology

TSDS PEIMS Code: 13020700 (MICRO)

Grade Placement: 10–12

Credit: 1

Prerequisites: Biology and Chemistry.

Recommended Prerequisites: A course from the Health Science Career Cluster.

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement.

Note: *This course satisfies a science credit requirement for students on the Foundation High School Program.*

Pharmacology

TSDS PEIMS Code: 13020950 (PHARMC)

Grade Placement: 11–12

Credit: 1

Prerequisites: Biology and Chemistry.

Recommended Prerequisites: A course from the Health and Science Career Cluster.

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

Health Science Theory/Health Science Clinical

TSDS PEIMS Code: 13020410 (HLSCLIN)

Grade Placement: 10–12

Credit: 2

Prerequisites: Biology. Corequisite: Health Science Theory.

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Districts are encouraged to offer this course in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses.

Practicum in Health Science

TSDS PEIMS Code: 13020500 (First Time Taken) (PRACHLS1)

13020510 (Second Time Taken) (PRACHLS2)

Grade Placement: 11–12

Credit: 2

Prerequisites: Health Science Theory and Biology.

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Practicum in Health Science/Extended Practicum in Health Science

TSDS PEIMS Code: 13020505 (First Time Taken) (EXPRHLS1)

13020515 (Second Time Taken) (EXPRHLS2)

Grade Placement: 11–12

Credit: 3

Prerequisites: Health Science Theory and Biology.

Corequisite: Practicum in Health Science.

The Extended Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.