

### Health Science Academy Courses

Course Name	Health Science I
Course #	10513/10514
Credit	.5 credit per semester, CTE
Length	Year
Grades	9th Signature Academy Only
Prerequisite	None
Cost to student	\$10 lab fee per year

This course will introduce students to human structure and function. Areas of study include anatomy, healthcare delivery systems, medical terminology, emergency management, health information technology, and legal practices. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Course Name	Health Science II
Course #	10515/10516
Credit	.5 credit per semester, CTE
Length	Year
Grades	10th Signature Academy Only
Prerequisite	Health Science I
Cost to student	\$10 lab fee per year

This course is a continuation of Health Science I. This course provides advanced health science students with instruction in advanced techniques and processes. Areas of study include medical ethics, hazardous materials, and safety in the workplace, epidemiology, and green practices in healthcare. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this program, students will be prepared for entry into a medical program at the college level.

Course Name	Sports Medicine I
Course #	10529/10530
Credit	.5 credit per semester, CTE, Art/Humanities
Length	Year
Grades	11th Signature Academy Only
Prerequisite	Health Science II
Cost to student	\$10 lab fee per year

This course is designed to introduce students to the field of sports medicine. It will provide students the opportunity to explore athletic training and sports medicine related fields. Students will receive instruction in sports medicine terminology, physical fitness, anatomy and physiology, kinesiology, injury evaluation and prevention procedures, and careers in sports medicine. Students will also demonstrate skills in cardiopulmonary resuscitation (CPR), first aid, and sports injury management and rehabilitation. The appropriate use of technology and industry-standard equipment is an integral part of this course. Sport Medicine is not considered a natural science.

Course Name	Sports Medicine II (H)
Course #	10531/10532
Credit	.5 credit per semester, CTE, Art/Humanities
Length	Year
Grades	12th Signature Academy Only
Prerequisite	Sports Medicine I
Cost to student	\$10 lab fee per year

This course is a continuation of Sports Medicine I. This course provides advanced sports medicine students with instruction in advanced techniques and processes. This course will give students hands-on experience evaluating injuries commonly sustained by the competitive athlete. It includes all areas of sports medicine such as sports medicine terminology, musculoskeletal anatomy, evaluation, assessment, rehabilitation, and prevention of athletic injuries. Emphasis will be placed on evaluating and assessing athletic injuries. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this program, students will be prepared for entry into a medical program at the college level. Sport Medicine is not considered a natural science.

Course Name	Medical Terminology
Course #	10523/10524
Credit	.5 credit per semester, CTE, Art/Humanities
Length	Year
Grades	10th Signature Academy Only
Prerequisite	Health Science I
Cost to student	\$10 lab fee per year

This course is an introductory course for students interested in health-related careers. It is designed to introduce the students to the vocabulary, knowledge, and skills required for entry into health-related occupations. Students receive instruction in the vocabulary of human anatomy and physiology, basic health care skills, first aid, cardiopulmonary resuscitation (CPR), and healthcare practices. Students' medical, ethical, and legal responsibilities pertaining to future careers in the health field will be integrated into the course. Students will also be introduced to health-related occupational skills required in the world of work.

#### **Human Development Academy Courses**

Course Name	Human Development I
Course #	10885/10886
Credit	.5 credit per semester, Art/Humanities/Health 2 <sup>nd</sup> Semester
Length	Year
Grades	9th or 10 <sup>th</sup> Signature Academy Only
Prerequisite	Signature Academy Acceptance
Cost to student	\$10 lab fee per year

Course Name	Human Development II (H)
Course #	10887/10888
Credit	.5 credit per semester, Art/Humanities
Length	Year
Grades	10 <sup>th</sup> or 11 <sup>th</sup> Signature Academy Only
Prerequisite	Human Development I
Cost to student	\$10 lab fee per year

This course is a continuation of Human Development I. This course allows intermediate human development students to increase their understanding of human growth and development throughout the lifespan with a focus on adolescence through young adulthood. Topics include developmental stages and influences on physical, intellectual, social and emotional growth

Course Name	Human Development III (H)
Course #	10889/10890
Credit	.5 credit per semester, Art/Humanities
Length	Year
Grades	11 <sup>th</sup> or 12 <sup>th</sup> Signature Academy Only
Prerequisite	Human development II (H)
Cost to student	\$10 lab fee per year

This course is a continuation of Human Development II. This course allows advanced human development students to increase their understanding of human growth and development throughout the lifespan with a focus on middle adulthood through late adulthood. Topics include developmental stages and influences on physical, intellectual, social and emotional growth. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.