

# McClure Health Science Elective Offerings 2023-2024

## Health Science



Intro to Health Science: The foundational course for all Health Science pathways and is a **prerequisite for all other Healthcare Science pathway courses**. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid.

Essentials of Healthcare / Anatomy & Physiology (2<sup>nd</sup> Course): Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. 2 Paired Credits. *Counts as 4<sup>th</sup>/5<sup>th</sup> Science.*

Patient Care Fundamentals (3<sup>rd</sup> course): This course covers employability skills, how to communicate effectively, and meeting etiquette. Students will demonstrate creativity by asking challenging questions and applying innovative procedures and methods. Patient Care Fundamentals provides an introductory look at becoming a nursing assistant.

Health Information Medical Office (3<sup>rd</sup> Course): This course covers research and performance of advanced technical and skills in multiple healthcare fields, research in complementary and alternative medicine, and public health research and awareness.

Exercise Physiology (3<sup>rd</sup> Course)\*\*\*: This program prepares students with knowledge and skills needed to become a certified personal trainer. Future career placements can also include kinesiology and sports medicine.

Allied Health and Medicine (3<sup>rd</sup> Course): This course is designed to offer students the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Includes Phlebotomy and EKG certifications.

\*\*\* - 12<sup>th</sup> Grade Only

## Computer Science



Intro to Software Technology: This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world.

AP Computer Science Principles: Learn about the processor, write programs, and develop algorithms to solve simple problems.

AP Computer Science A: Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks.

## Communication Technology



Audio Video Tech: Levels 1, 2, or 3; Explore behind the scenes at a broadcast studio. Create scripts, set up lighting and sound, operate digital cameras, and teleprompters.

## Marketing



Marketing Principles: Learn basic marketing concepts and the role of marketing in our economy.

## Work Based Learning

WBL: Students will be released early from school for 1 period. Must have a stable job and work approximately 10 hours per week.

**Application Required: See Mr. Baker (A107)**

## Internship/Gifted Internship

Internship: The internship program provides students with an opportunity to experience hands-on work in a field related to each student's academic focus. Students in the internship program are released to leave campus during this course in order to experience the placement. **Application Required: See Mrs. Taylor (B124)**

## 4<sup>th</sup> Science Options



AP Environmental Science: College level course work that covers ecology, energy resources, conservation, and pollution.

Forensic Science: Explore the scientific and technological aspects of criminal investigations; topics include DNA, fingerprinting, blood, and collection of evidence.

AP Biology: College-level biology coursework; advanced labs, analyze & explain the "whys" of biological science. Meets 4<sup>th</sup> year Science requirement.

AP Computer Science Principles: Learn about the processor, write programs, and develop algorithms to solve simple problems. College Board assessment at the end of the program.

AP Chemistry: College Board chemistry curriculum building on previous chemistry standards. 12<sup>th</sup> grade Only.

Epidemiology: This course is designed to extend student investigations that begin in Biology. It integrates scientific investigations using real world situations to find patterns and determine causation of pathological (infectious disease) conditions.

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## Performing Arts



Band: Intermediate, Advanced, and Mastery.  
See Mr. Harkness (A 114)

Orchestra: Intermediate, Advanced, Mastery.  
See Mr. Barnes (A 113)

Chorus: Beginning, Advanced. See Ms. Milner (A112)

Dance / Advanced Dance: For students interested in learning dance as a performing art. Multiple skill levels available. Previous experience strongly encouraged. See Ms. Bunch (Dance Studio)

World Dance Forms: For students interested in learning the basic techniques of dance.

Theater Fundamentals: Beginning level class; theater history, acting, and technical aspects of production. See Ms. Milner (A112)

Acting: Develop skills in performance and advanced theater topics. See Ms. Milner (A112)

Technical Theatre/Stagecraft: Develop and practice the fundamentals of stagecraft, scene construction, lighting and sound design.  
See Ms. Milner (A112)

Music Technology: For students interested in composing and producing their own music. Students have the resources to create any type of music from the next great pop tune to a modern symphony.

## Visual Arts



Visual Comp I & II (2D/3D Art): Beginning level class; experience with two and three dimensional art work; learn basic skills of drawing, painting, clay, and sculpture.

Drawing & Painting I & II\*: Explore a variety of drawing, painting, and printmaking techniques in a range of materials, styles, and subject matter. See Ms. Ryan (D118)

AP Studio Art: Students build a college-board portfolio for Advanced Placement submission throughout the year. Additional options will also include AP 2D Art, and AP 3D Art. Pre-Req: Drawing & Painting

Photography\*: Camera/lens theory and darkroom operation.

See Ms. Ryan (D118)

\* **Prereq: Visual Comp I/II.**

## Physical Education



Lifetime Sports: Students will practice and learn elements of lifetime fitness, including running, cycling, yoga, and basic team sports.

Body Sculpting: Basic instruction on methods to condition the body; strength training and physical fitness training.

## Academic Electives



AP Psychology\*\*: Examine the scientific nature of psychology, as well as brain and human development. College Board Assessment end of course.

World Language: *Spanish, Spanish for Native Speakers, French.* Learn skills related to reading, writing, listening, and speaking; study about cultures and customs and become globally aware of other nations.

Current Issues in Health Care: This course is designed to examine the issue of healthcare through the lens of current issues that impact the subject. Topics include: Economics, Government, Environment, Families, and Technology. (one semester)

Medical Ethics and the Law: This course is designed to examine the medical law through the lens of current practice and ethical decisions aligned to the legal considerations. Topics include: legal principles of medical care, ethics, medical leadership and the law, role of government, implications of modifying healthcare, and liability. (one semester)

African American Studies (American Mosaic Series): This course aims to broaden the knowledge and understanding of students interested in learning about the history, citizenship, culture, economics, science, technology, geography, and political contributions and realities of African Americans in the United States. (10<sup>th</sup> – 12<sup>th</sup> Grade)

**\*\*11<sup>th</sup>/12<sup>th</sup> grade only**

## Other Electives

Peer Leading: 11<sup>th</sup>/12<sup>th</sup> grade only. This course provides students with a framework for understanding the problem-solving process, opportunities to participate in meaningful activities that affect our society in positive ways (civic participation), conflict resolution training, and effective communication skill development. Other course topics include adhering to ethical codes of practice, exercising tolerance, and advocacy of others' rights. **Application Required: See Ms. Rowe**

Library Science: Students learn about the inner workings of the Media Center and its resources, including circulation (check out), shelving, printing, deliveries, etc. **Application Required: See Mrs. Sly (Media Center)**

Office Aide: Students in the office aide program work directly with administrators, counselors and clerical support staff. Students in the program assist in managing the various functions of the office, which includes greeting guests to the building, leading tours, and running passes. Space is limited. **Application Required: See Mr. Baker (A107)**