

Rationale

This course provides unprecedented access to real world experiences in the dynamic field of medicine and healthcare. It will provide an entrepreneurial approach to education that is designed to give the high school student a hands-on, real world experience in medicine and healthcare.

Course Description

The Medicine and Healthcare course provides unprecedented access to real world experiences in the dynamic field of medicine and healthcare. Alongside some of the region's most experienced medical professionals, the student will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism and ethics, and provide an exploration of many career opportunities in healthcare. In the classroom, the student will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem solving skills. The student also self-selects a focused CAPStone project for the semester, connecting to mentors in their area of interest to develop a project that is real, relevant, and of service to the community. Representing a wide spectrum of healthcare careers, expert guest speakers provide advanced instruction in the medical specialties of anesthesia, cardiology, dermatology, obstetrics, oncology, orthopedics, nephrology, internal medicine, family practice, general surgery, and much more. Outside the classroom, learning experiences will involve numerous site visits to a variety of medical and healthcare facilities exposing the student to a variety of medical professions, medical research and innovative advancements. The student will work extensively with professionals from St. Anthony's Medical Center, Barnes-Jewish, and St. Louis University. The student has the opportunity to complete the PLTW capstone course requirements as part of the CAPS experience. The student will also have the opportunity to complete an internship with a business and industry partner. College credit is available.

Prerequisites

The student must submit an application to be considered for the program.

Course Objectives

1. The student will identify clients served, work settings, and purpose of various health careers.
- 2) The student will describe the education, roles, and specialty areas of different health care professionals.
- 3) The student will demonstrate knowledge of basic skills utilized by health care professionals.
- 4) The student will explain the ethical and legal standards in health care.
- 5) The student will demonstrate behaviors and conduct appropriate for a health care professional.
- 6) The student will explain the role of diversity in both a healthcare setting and college environment.
- 7) The student will design an educational plan to meet academic, career, and personal goals within healthcare.
- 8) The student will identify hospital and college resources necessary for academic success.
- 9) The student will identify student rights and responsibilities within the college environment.
- 10) The student will identify factors and apply strategies that affect academic success at the collegiate level.
- 11) The student will apply knowledge to real-world problems in a real-world work experience setting.
- 12) The student will develop sound decision-making skills through the professional-based work experience.
- 13) The student will describe and demonstrate appropriate professional conduct in a work environment.
- 14) The student will develop a professional vision that values diversity in the workplace.

BOE 11/10/16

**Advanced Professional Studies - Medicine and
Healthcare**

Mehlville School District
Advanced Professional Studies/CAPS
Grades 11 - 12, Duration 1 Year, 3 Credits