



Do you like science? Do you like learning about the human body and how it works? Do you enjoy laboratory activities? Are you interested in potentially pursuing a career in the biomedical sciences? If so, biomed may be the pathway for you!

Learning Experiences in this Pathway Include:

- *Laboratory activities
- *Working with engaging equipment such as mannequins, bone models, x-rays, stethoscopes, and heart rate monitors
- *Practice monitoring of vision, hearing, heart rate, blood pressure, and heart function via EKG
- *Dissections
- *Guest speakers
- *Field trips
- *White Coat Ceremony
- *Capstone Project
- *Student-centered learning
- *and MUCH more!

Overview of Courses in this Pathway:

1st Year - Principles of Biomedical Sciences

Description: By engaging in activities like dissecting a sheep heart, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person.

2nd Year - Human Body Systems

Description: Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases.

3rd Year - Medical Interventions

Description: Students delve into activities like designing a prosthetic arm as they follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.

4th Year - Biomedical Innovations

Description: Students build on the knowledge and skills gained from previous courses to design their own innovative solutions for the most pressing health challenges of the 21st century.

With specific program or course questions, please contact your guidance counselor, Mrs. Schoenbauer (mschoenbauer@ccboe.com) or Mrs. Cahn (kcahn@ccboe.com).