

Principles of Biomedical Science/ Human Body Systems



9.23



- UC “d” Credit
- Learn the roles of Biomedical Science professionals
- Discover your ability to diagnose, problem-solve, and work collaboratively to solve pressing health challenges

This two-hour combination course offered at the MVROP Center Campus is comprised of two key rigorous and relevant PLTW Biomedical Science courses. The course will instruct one semester of the PLTW Principles of Biomedical Science curriculum and another with the Human Body Systems curriculum. This unique MVROP PLTW course allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health.

Principles of Biomedical Science

Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

Human Body Systems

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

To enroll or learn more about this program, talk to your counselor,
visit your Career Center, or contact
Ms. Farooq at: mfarooq@mvrop.org

More information is also available at
<http://www.mvrop.org/instructor/mfarooq.html> or www.mvrop.org