

BIOMEDICAL SCIENCE

PLTW Principles of Biomedical Science - 8706

This course provides an introduction to biomedical science through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Students determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. This course is designed to provide an overview of all the courses in the biomedical science program and lay the scientific foundation for subsequent courses (Human Body Systems, Medical Intervention, and Biomedical Innovations)