

## **PLTW BMS (all courses)**

**What grades are eligible to take this class?** Grade 9, Grade 10, Grade 11, Grade 12

**Which School is this class part of?** School of Health and Natural Sciences

**Is this class weighted?** Yes

**Does this class offer early college credit?** Yes

**Does this class offer an industry-recognized certification?** No

**Why should I take this course/who is this course for?** These classes are for students interested in the medical professions. Students participate in many labs, hands-on activities, projects, and case studies.

**How much homework/reading per night?** Less than 1 hour

**Is group work required in this class?** Yes

**What cool things can I do in this class?** In the first year (PBS), students participate in a heart dissection, learn to take blood pressure, learn to stop bleeding, perform DNA gel electrophoresis, and much more. In the second year (HBS), students participate in several dissections, DNA gel electrophoresis, build body system with clay, perform eye tests, reflex tests, simulated blood typing, and much more. In the third year (MI), students participate in DNA gel electrophoresis/PCR, ELISA test, simulated biopsy, suturing, visit a cadaver lab, and much more. In the fourth year (BI), students intern at St. Mary's, dissect a fetal pig, perform environmental water testing, design an emergency room, perform various physiology testing, and much more.