



Project Lead the Way is a non-profit organization that focuses on a national curriculum specializing in STEM (Science, Technology, Engineering and Math) education. Please visit www.pltw.org for more information.

Project Lead the Way: Principles of Biomedical Science

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<https://www.rhnet.org/Domain/1297>

Course Description:

This course is considered a student centered course. This means there is a strong focus on independent learning and you should not expect a traditional lecture and notes based classroom. In order for students to be successful, they must actively engage in the material on a regular basis. Doing this in a hybrid classroom may mean that students could feel they are doing this alone! WE ARE IN THIS TOGETHER! Please reach out when you need additional help, and participate in the Wednesday Google Meets that are designed to encourage collaboration.

Course Goals:

Students will:

- Think critically and problem solve
- Write scientifically and analyze scientific writing
- Master a variety of technology skills
- Master relevant lab skills using proper lab equipment (as our safety requirements allow)
- Use proper medical terminology
- Gain a deeper understanding of the Biomedical Sciences field including content and career aspects.
- Be prepared for the Human Body Systems course

Required Course Materials:

- Science Journal – Ex: 3 Ring Binder, Composition Notebook or virtual

Recommended Course Materials:

- colored pencils
- headphones/earbuds

SchoolTool and Google Classroom is the expected method of staying informed about your grade and progress throughout the school year. Students and parents/guardians have been invited to Google Classroom. I have included a link on my website to SchoolTool.

Grading:**80% Required Course Assessments**

Quarter:	Assessment Title
1	<ul style="list-style-type: none"><input type="checkbox"/> Investigating the Scene Part 1 (1.1.1 – 1.1.3)<input type="checkbox"/> Investigating the Scene Part 2 (1.1.4 – 1.1.6)<input type="checkbox"/> Master the Morgue Part 1 (1.2.1 – 1.2.3)<input type="checkbox"/> Master the Morgue Part 2 (1.2.4 – 1.2.5)<input type="checkbox"/> Medical Investigation End of Unit 1 Assessment
2	<ul style="list-style-type: none"><input type="checkbox"/> Talk to Your Doctor Part 1 (2.1.1 – 2.1.4)<input type="checkbox"/> Talk to Your Doctor Part 2 (2.1.5 – 2.1.6)<input type="checkbox"/> Decoding a Diagnosis Part 1 (2.2.1 – 2.2.2)<input type="checkbox"/> Decoding a Diagnosis Part 2 (2.2.3 – 2.2.6)<input type="checkbox"/> Clinical Case End of Unit 2 Assessment
3	<ul style="list-style-type: none"><input type="checkbox"/> Nosocomial Nightmare Part 1 (3.1.1 – 3.1.3)<input type="checkbox"/> Nosocomial Nightmare Part 2 (3.1.4 – 3.1.6)<input type="checkbox"/> Emergency Response Part 1 (3.2.1)<input type="checkbox"/> Emergency Response Part 2 (3.2.2 – 3.2.4)<input type="checkbox"/> Outbreaks & Emergencies End of Unit 3 Assessment
4	<ul style="list-style-type: none"><input type="checkbox"/> Designing the Future Part 1 (4.1.1 – 4.1.3)<input type="checkbox"/> Designing the Future Part 2 (4.1.4 – 4.1.6)<input type="checkbox"/> New Frontiers Part 1 (4.2.1 – 4.2.2)<input type="checkbox"/> New Frontiers Part 2 (4.2.3 – 4.2.4)<input type="checkbox"/> PLTW PBS End of Course Assessment*

*All students are required to complete the end of course assessment. This exam is given in late May or early June and is administered by PLTW as an online assessment to be completed during regularly scheduled class time.

20% Formative Assessments:

This portion of the grade will be based on scores coming from quizzes, projects, and activities.

Note: To complete this course you must finish all required assessments by the end of each quarter, otherwise you will receive an incomplete which could result in the failure of the course.