# PLTW BioMedical Sciences Instructional Plan

*Created on August 7, 2026*

## Contact Information

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**COURSE DESCRIPTION**

Students will begin their first step into the Project Lead the Way Pathway. In BioMedical Sciences, students will explore a crime scene as investigators, diagnose patients in a clinical setting, and stop a viral outbreak with a triage center.

**COURSE ACTIVITIES** (What we will be doing)

Below you will find descriptions of the most common activities that students will participate in during the course of each semester.

**Throughout the year, students will:**

- Play the role as a crime scene investigator, including using polygraphs, exploring fingerprints, and the role a medical examiner plays
- Learn how to take basic vital signs
- Discover how genes play a role in diseases
- Investigate a disease outbreak and how to control it
- Become emergency responders to a natural disaster, including triaging patients

GRADES – Click here for → YWLA Grading Policy

| | |
|---|---|
| Major (Test, Projects, Writing) | 60% |
| Minor (Notes, Daily Work) | 40% |

**Classroom Resources (examples below)**

- Project Lead the Way Digital Resources
- YouTube
- Google Classroom
- Vernier Graphical Analysis App
- Tinkercad
- Career Connections with community members

**COURSE OBJECTIVES AND TOPICS (CED Breakdown and Description)**

- **Unit 1: Investigating the Crime Scene**
- **Unit 2: Talk to Your Doctor**
- **Unit 3: Decoding a Diagnosis**
- **Unit 4: Nosocomial Nightmare**
- **Unit 5: Emergency Response**

YOUNG WOMEN'S Leadership Academy

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**Anything else you want to include for your course:**

This course contains sensitive topics including death, autopsies, and deadly diseases. Students will be able to discuss concerns ahead of time to make the activity the best for them. Please reach out to me with any questions. I am excited to make this a successful year!

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