

# Perry Hall High School PLTW Biomedical Science SUMMER CAMP



- ✓ Are you excited about the PLTW Biomedical Program?
- ✓ Are you ready to learn new skills that are currently used in the biomedical field?
- ✓ Are you ready to learn more about science careers?
- ✓ Are you ready to explore Perry Hall High School?
- ✓ Are you ready to build new friendships?

If you answered "YES" to any of these questions, then please consider attending a three-day PLTW Biomedical Science Camp. The goals for this camp include team building experiences, new learning in science and a preview of the PHHS Biomedical Sciences courses. We will also complete science explorations, activities, and labs. Attending camp is highly recommended for eighth grade students accepted into the PHHS Biomedical Science program and any students planning to apply to the program in the future.

Please complete the simple [registration survey](#) by June 18, 2021. More information will be provided to all students who register for camp. Registration will be capped once all slots are filled. If you have questions or concerns, please do not hesitate to contact Dr. Lipinski, [llipinski@bcps.org](mailto:llipinski@bcps.org)

Cannot wait to see you at camp!

*The camp is offered to students free of charge. Transportation will not be provided.*

*All BCPS COVID-19 mitigation guidelines will be followed.*

## WHO

*Any middle school student interested in Biomedical Science.*

## WHAT

*Interactive Summer Camp with Hands-on Activities including Lab Experiments and Team Building*

## WHEN

*From 9 am -12 noon on  
Monday, June 28, 2021  
Tuesday, June 29, 2021  
Wednesday, June 30,  
2021*

*[Applications](#) now available*

*Deadline: 2:15 pm on  
Friday, June 18, 2021  
Student and parents  
will be notified of  
acceptance though  
email.*

## WHERE

*Perry Hall High School  
Science Department  
Room 307 and 308*

## HOW

*Apply Online*

*<https://forms.gle/UatVAU58Z27bK1tEA>*

*Registration will close  
when all slots are filled.*

## FOR MORE INFORMATION

*Contact: Dr. Lipinski  
[llipinski@bcps.org](mailto:llipinski@bcps.org)*

## A Closer Look at the Biomedical Science Program at Perry Hall High School



### Course Descriptions:

#### **Course #1: Principles of the Biomedical Sciences (9<sup>th</sup> grade)**

- Students complete forensic medical investigations to determine the cause of death of a fictitious college student.
- The activities and projects introduce students to medical investigations, clinical care, outbreaks and emergencies, and biomedical innovations.
- This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses through exciting hands-on projects and problems.

#### **Course #2: Human Body Systems (10<sup>th</sup> grade)**

- Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis.
- Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration.

#### **Course #3: Medical Interventions (11<sup>th</sup> grade)**

- Students investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease.
- Explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail.
- Exposed to the wide range of interventions related to Immunology, Surgery, Genetics, Pharmacology, Medical Devices, and Diagnostics.

#### **Course #4: Biomedical Innovations (12<sup>th</sup> grade)**

- Students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences.
- Students design innovative solutions for the health challenges of the 21<sup>st</sup> century as they work through progressively challenging open-ended problems.
- Address topics such as clinical medicine, physiology, biomedical engineering, and public health.