

# Interested in a career in medicine?

## Join Project Lead the Way

### Course Sequence

#### Year 1: Principles of Biomedical Science

This course provides foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology engaging students in how they can apply it to real-world situations, causes, cases, and problems.

#### Year 2: Human Body Systems

This course provides foundational knowledge and skills in anatomy & physiology, clinical medicine, and laboratory research. Students will learn about the various body systems and how they function.

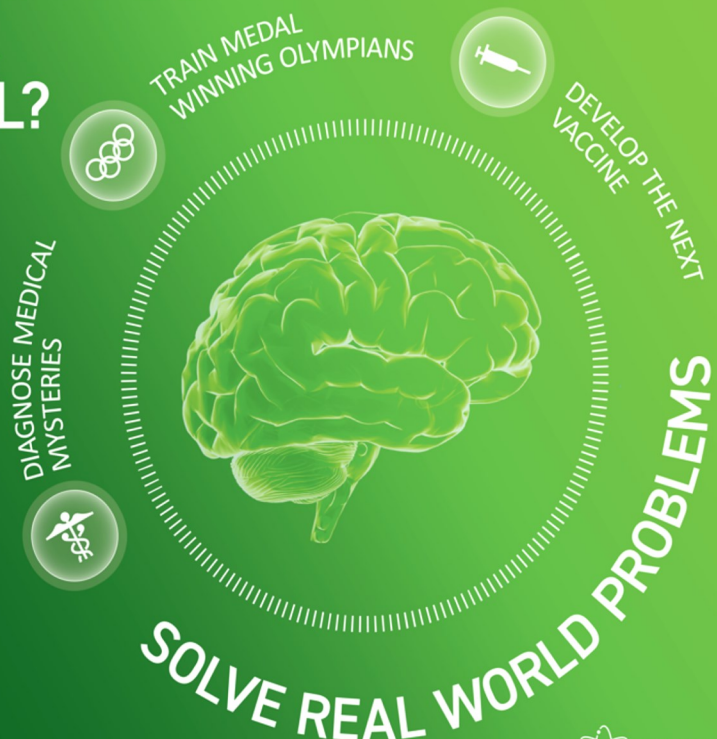
#### Year 3: Medical Interventions

This course allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease. Students will discuss how to maintain overall health and homeostasis in the body. The course will explore how to prevent and fight infection, code DNA, prevent, diagnosis, and treat cancer, and how to prevail when the organs in the body fail.

#### Year 4: Biomedical Science

This is the capstone course where students apply their knowledge and skills to answer questions and solve problems related to the biomedical sciences. Students design innovative solutions to health problems. Application of the previous three courses will be used to solve unique problems in science, medicine, and healthcare.

## WHAT'S IT LIKE TO BE A BIOMEDICAL PROFESSIONAL?



## ADD A **PLTW** **BIOMEDICAL** **SCIENCE CLASS** TO YOUR SCHEDULE!



Bishop Dwenger is proud to enrich the curriculum by offering the Project Lead the Way (PLTW) Biomedical program to our course offerings for students. This program is designed for those students interested in careers in medicine, including doctors, nurses, physical therapy, sports medicine, biomedical engineering, environmental science, epidemiology, genetics, and so many more!

Students will solve real world problems with a hands-on approach to learning. Students will explore local and global health challenges. Labs will be conducted modeled after the skills that medical professionals use every day.

Guest speakers and trips to local health agencies will enhance the learning experience.

Students will follow the 4 course sequence starting the 9th grade year and ending with the capstone course the senior year. Those that successfully complete the program will be acknowledged at graduation as a PLTW Biomedical student, while earning college credit through ACE (American Council on Education).

Interested students need to apply by filling out the application and doing the following steps as outlined in this brochure. Spots are limited in the program.

Check out [www.bishopdwenger.com](http://www.bishopdwenger.com) for more information on the program. Under the menu tab, go to "Curriculum" and scroll down to Project Lead the Way.

Questions?

Amy Johns, Assistant Principal  
[ajohns@bishopdwenger.com](mailto:ajohns@bishopdwenger.com) ~ 260-496-4710

Brian Quigley, PLTW Teacher  
[bquigley@bishopdwenger.com](mailto:bquigley@bishopdwenger.com)

### Step 1

Fill out the application at <https://forms.gle/eBYyLmwMtMvRxBj8h7>

Applications are due  
February 28.



### Step 2

Add course 1, Principles of Biomedical Science, to the course schedule by selecting it.



### Step 3

Wait to get notified by the school as to acceptance into the program. If not accepted, another course will be decided upon for the schedule.

Calling All

# SAINTS

Interested in the  
Medical Professions



Join Project  
Lead the Way  
Biomedical  
Today!

