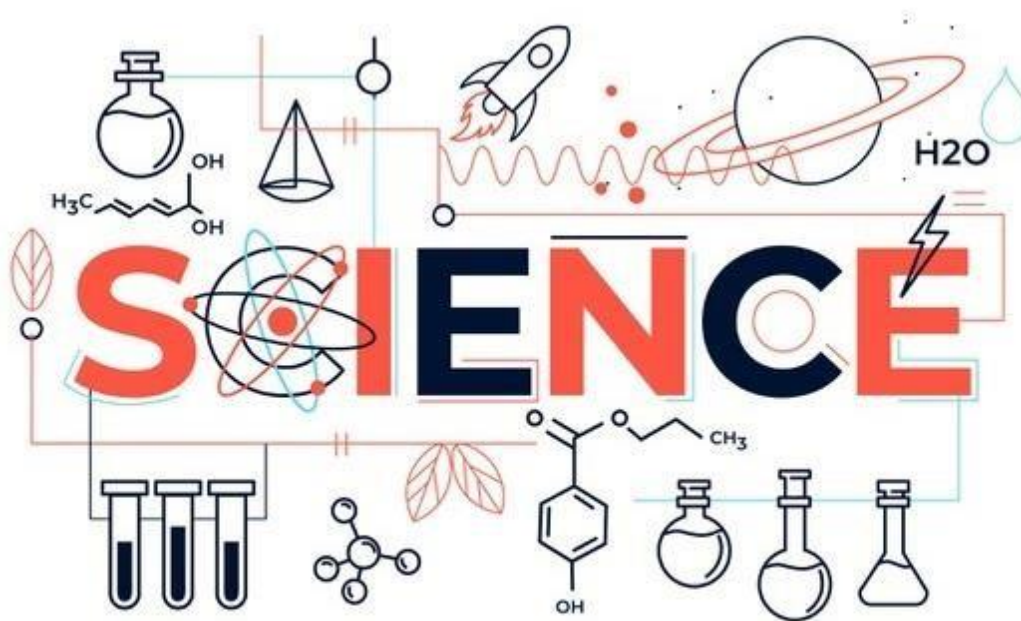


Science Clubs & Activities offered at PHS



Science National Honor Society

Advisor: Dr. Mrotek

To be accepted into the Science National Honor Society, students must be young thinkers who will be the future of industry, research, and scientific exploration for America. This group of students maintained excellent grades in all their science and academic classes, and coordinated service hours supporting the community.

HOSA (Health Occupation Students of America)

Advisor: Dr. Murphy

The purpose of HOSA is to develop leadership and technical HOSA skill competencies through a program of motivation, awareness and recognition. The goals of HOSA are to develop effective leadership qualities and skills to develop the ability to communicate more effectively with people. Within the HOSA club we are looking to have the students develop an understanding of the importance in interacting and cooperating with other students and organizations, to develop character and to build self-confidence and pride in one's work. This will be achieved by having the students run a number of fund raisers and participate in the local, regional, state and national HOSA sponsored competitions. Participation in HOSA will guide the students into making realistic health career choices and seek successful employment in the health care field and to develop an understanding of current health care issues, environmental concerns, and promote career opportunities in health care.

ChemClub

Advisors: Ms. Elmahalawy & Dr. Tenenbaum

Supported by the American Chemical Society (ACS), the purpose of the ChemClub shall be to provide opportunities for sharing and promoting interest in the chemical sciences; to provide students with opportunities to develop communication skills; to share career, technical training, and college opportunities information; to meet role models in the professional chemistry community; to participate in national ACS special programs; and to take an active role in applying chemistry to improving life in the community.

Forensics Club

Advisor: Mrs. Prince

Forensics Club is an after-school club in which students further engage in discussions about solved and cold cases and major themes in Forensics. Guest Speakers in the field will also host meetings through the year.

GenEn (SMAP)

Advisors: Ms. Wilson & Dr. Lollin

The GenEn Club is designed to introduce high school students to modern molecular genetics by having them conduct genuine research projects. It involves an intensive multi-week program at the Waksman Institute over the summer (for the WSSP Student Scholar only) and then continues throughout the school year with regular meetings to discuss research progress and culminates with a poster presentation of findings at Rutgers University in Piscataway. The current project focuses on the genomic sequence analysis of Duckweed *Landoltia punctata* and how its genes compare with other species. Students first isolate and then sequence the organism's genes and this information is deposited in the National Center for Biotechnology Information (NCBI) for use by scientists throughout the world. Using the gene sequence information, students compare the evolutionary relationship between *L. punctata* and other Eukaryotes. The overall goal for students is to publish a submission into the NCBI database.

Med Club

Advisor: Ms. Youssef

Participation in Med Club will provide students with exposure to health career choices and development of a deeper understanding of all of the different offerings of employment in the health care field. Additionally, students develop an understanding of current health care issues and environmental concerns in health care.

Science Olympiad

Advisor: Mr. Chioffe

Science Olympiad is a club in which students can explore topics of their interest in science beyond the classroom, eventually competing in a regional competition in which students apply their knowledge in various events.