

HOSA-PLTW MIDDLE SCHOOL CROSSWALK



Courtesy of Project Lead The Way

HOSA AND PLTW MIDDLE SCHOOL CROSSWALK

HOSA—Future Health Professionals is the largest student organization for those interested in pursuing careers in the health professions. The purpose of HOSA is to develop leadership and technical skills as an integral part of the instructional program. The competitive events program allows students to pursue academic, technical, and leadership and teamwork abilities through participation. The development of these skills leads to providing the pipeline for the health providers of the future. The organization serves three divisions: postsecondary, secondary and middle school. Beginning with the HOSA 2016 International Leadership Conference, competitive events were offered for the middle school division.



Courtesy of Project Lead The Way

Project Lead The Way's PLTW Gateway program, designed for grades six through eight, engages students in biomedical science, computer science, and engineering activities and career exploration. The program empowers students to build knowledge and skills in problem solving, critical and creative thinking, communication, collaboration, and perseverance. In the PLTW Gateway Medical Detectives unit, students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how a breakdown within the human body can lead to a dysfunction.

The three lessons of the Medical Detectives unit are designed to promote the investigation of the biomedical sciences:

- Lesson 1 Disease Detectives**
- Lesson 2 Mysteries of the Human Body**
- Lesson 3 Outbreak!**

MIDDLE SCHOOL DIVISION HOSA COMPETITIVE EVENTS

Medical Terminology is a written test dealing with selected terms common to health professions and health specialties. Competitors will recognize, identify, define, interpret and apply medical terms in a 50 item multiple-choice test with 10 tiebreakers for the Middle School division. Written test will measure knowledge and understanding at the recall, application and analysis levels. Higher-order thinking skills will be incorporated as appropriate.

Health Career Exploration is a written test requiring competitors to apply, analyze, synthesize and/or evaluate information related to health careers. Competitors will recognize, identify, define, interpret and apply terms related to health careers. Written test will measure knowledge and understanding at the recall, application or analysis levels. Higher-order thinking skills will be incorporated as appropriate.

Medical Reading: Competitors read the three selected books for the year. A 45 question multiple choice and one short essay tiebreaker test is taken. The questions will require the students to apply, analyze, synthesize, and evaluate information from reading the assigned books.

Nutrition is a written test requiring competitors to apply, analyze, synthesize and/or evaluate information related to nutrition and health. Competitors will recognize, identify, define, interpret or apply terms related to nutrition. The written test will measure knowledge and understanding at the recall, application or analysis levels. Higher-order thinking skills will be incorporated as appropriate.

Public Health is an event that involves a team of 2-6 who create an effective, dynamic and creative public health presentation to educate the public on the chosen topic. The 2018-2019 topic is Civilian Readiness. *Life threatening emergencies can happen fast. Recent current events (natural disasters, mass shootings, violent protests, school and workplace violence, active shooters, etc.) have shown the importance of and need for civilians to be ready and prepared. In your Public Health presentation, educate the public about one aspect of civilian readiness. What kind of action steps can be taken by individuals in response to traumatic events?*

Extemporaneous Health Poster: Competitors in this event have 3 hours to create a visual display of a secret health issue/topic using poster board and art supplies. The key focus is on the development of the secret topic (health issue) and the quality of information presented.

Healthy Lifestyle: This event involves setting a healthy lifestyle goal and documenting the process and steps towards achieving the goal. The event includes a 50 item Round One test and a notebook or portfolio with documentation.

Prepared Speaking - Competitors develop a speech related to a selected national topic.

2018 - 2019 Topic: Define Your Purpose

***Speaking Skills** - Competitors develop a speech related to a selected national topic. This event is for HOSA members who are classified under the Individuals with Disabilities Education Act Amendments of 1997 Public Law 105-17.

2018 - 2019 Topic: Define Your Purpose

Health Education is a team event of 2-4 members who select a health-related concept or instructional objective, prepare a lesson, provide instruction, and evaluate results. The instruction must include the use of presentation tools such as a student-made video, computer demonstration software, or any other form of media. Teams will provide instruction to a targeted group of learners during the school year, then present their work to a panel of judges.

Health Career Display - Teams consisting of two (2) competitors shall develop a visual display of a specific career or cluster of careers in health. The display allows the students to express ideas through an artistic medium to highlight the benefits of a particular career focus. The students may also be judged on their ability to present themselves and communicate the career information to others.

Barbara James Service Award - The Barbara James Service Award is in memory of Barbara James, 1982-83 HOSA Inc. Board Chairman. Her leadership skills and contributions to HOSA exemplify the caring and compassion of HOSA members. This award seeks to recognize individual HOSA members who have a commitment to community service in health.

National Service Project - The HOSA Service Project involves the sponsorship of a national health organization by local HOSA chapters. Local chapters plan service projects to support the selected organization. The current HOSA Service Project is the National Pediatric Cancer Foundation.

HOSA Happenings - Chapters tell the story of their chapter of HOSA-Future Health Professionals. They may use print newsletter, electronic newsletter or website.

Outstanding HOSA Chapter - HOSA chapter members create a reflection book to record and preserve their chapter's achievements during a single school year. This is a chapter event. Involve as many chapter members as possible in creating the book, and your final product will provide a record of your chapter's achievements for future chapter members. Chapters earn points for properly documenting chapter activities in the reflection book as described in the event rating sheets. Chapters who earn the required number of points are recognized with the Outstanding HOSA Chapter award.

HOSA and PLTW are vested in a national partnership to provide a variety of unique strategies to enhance student engagement and learning. The following resource provides a customized crosswalk of the PLTW Medical Detective lessons to the HOSA Middle School Competitive Events Program. Each "X" in the following crosswalk indicates a connection between content in a particular lesson and indicates an opportunity to include and reinforce knowledge and skills needed for successful preparation for specific HOSA competitive events.



HOSA–PLTW GATEWAY MEDICAL DETECTIVES CROSSWALK

Project Lead The Way	Medical Detectives		
Health Science			
Medical Terminology			
Medical Reading	X	X	X
Knowledge Test: Health Career Exploration	X	X	X
Knowledge Test: Nutrition			
Emergency Preparedness			
Public Health	X	X	X
Leadership			
Extemporaneous Health Poster	X	X	X
Healthy Lifestyle	X	X	X
Prepared Speaking			
Speaking Skills*			
Teamwork			
Health Career Display	X	X	X
Health Education	X	X	X
Recognition			
Barbara James Service Award	X	X	X
HOSA Happenings	X	X	X
HOSA Service Project		X	X
Outstanding HOSA Chapter	X	X	X

**Competitive events designated by an asterisk (*) are classified as special needs students with individualized education plans.*