

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 analyze genetic testing results to diagnose and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

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

- Lesson 8.1 What Is a Medical Detective?**
- Lesson 8.2 Mysteries of the Human Body Systems**
- Lesson 8.3 Murder Mystery**

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 is a written test dealing with information and knowledge gained from reading the selected books each year. Competitors will apply, analyze, synthesize and/or evaluate the reading

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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 \. 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 2016-2017 topic is Combatting Zika and Future Threats-What is the best way to respond to this emerging disease?

Extemporaneous Health Poster is an event shall be in the form of an individual creation of a poster related to a health topic, to be completed within three (3) hours of work time

Healthy Lifestyle is an event where competitors will use digital photography to illustrate various health professions. Competitors will photograph three different health professionals performing an aspect of their job, edit the photos using computer software technology as needed, provide a written description of the career and then may present their three printed pictures to a panel of judges.

Prepared Speaking - Competitors develop a speech related to a selected national topic.
2016 - 2017 Topic: Leadership – Service – Engagement

***Speaking Skills** - Competitors develop a speech related to a selected national topic.
2016 - 2017 Topic: Leadership – Service – Engagement

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 National 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 National Service Project is the National Alliance on Mental Health.

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

HOSA Chapter Reflection - 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 reflection 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 HOSA Chapter Reflection 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	X		
Emergency Preparedness			
Public Health	X	X	
Leadership			
Extemporaneous Health Poster	X	X	
Healthy Lifestyle	X	X	
Prepared Speaking			
Speaking Skills*			
Teamwork			
Health Career Display	X	X	
Health Education	X	X	
Recognition			
Barbara James Service Award	X	X	
HOSA Chapter Reflection	X	X	X
HOSA Happenings	X	X	X
National Service Project		X	

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