



## **2019-2020**

# **HOSA-Future Health Professionals Competitive Events and STEM**

Both HOSA-Future Health Professionals and STEM Education are invested in preparing the students of today for the workforce of the future.

Science, technology, engineering and math studies are believed to provide the skills needed by individuals to face the complex problems of the future. STEM is the term used for these collective subjects. The STEM Education Coalition calls for improved STEM education at every level to promote U.S competitiveness and the future prosperity of this country.

Through the HOSA Competitive Events Program, a constantly expanding and improving series of health related competitive events are provided. Competition within a state is held in the spring as a means of identifying those members eligible for competition at the HOSA International Leadership Conference.

HOSA members participate in state and international conferences and meet HOSA members and health professionals from across the state and nation and international community. Members who participate in the competitive events program are immediately recognized as professionals in training interested in pursuing careers in the health professions. The benefits of the competitive events program are realized as students prepare for competition. Members gain confidence when they improve their skills in preparation for competition and can transfer this learning to other settings.

HOSA's competitive events are aligned to the National Healthcare Foundation Standards, and helps students graduate career and college ready.

Events are offered in six categories:

- Health Science
- Health Professions
- Emergency Preparedness
- Leadership
- Teamwork
- Recognition

In the listing of events by category, there are four competitive events designated by an asterisk (\*) for those classified as special needs students with individualized education plans. The competitive events that include the Middle School Division are designated by ^.

## BENEFITS OF COMPETITIVE EVENTS PARTICIPATION

- Competitive events cover a wide range of learning outcomes. *Learning starts in the classroom where students are introduced to all aspects of health care. HOSA gives those students an opportunity to select a specific area of study and then expand his/her learning in a specialty area. Content knowledge is as important as skill development, and in all of HOSA's regular skill events, HOSA members take a written test of content knowledge before advancing to the skill demonstration part of event.*
- *Selected events actually provide an audience for the purpose of sharing ideas with the public. Events such as Community Awareness, Health Education, Public Health and Public Service Announcement all ask students to understand complex health issues, and to adapt their audience presentation to the composition of their audience.*
- *The competitive events program encourages students to take a stand in responding to what they read or hear. Competitors in Biomedical Debate are required to question the assumptions and premises of opposing team members. In Researched Persuasive Speaking, students are required to understand a health issue in order to take a stand in favor of, or against, the issue. The essay questions in Medical Reading challenge students to comprehend and critique an author's writing.*
- *Students learn to analyze scientific evidence for events such as Researched Persuasive Writing and Speaking and in Forensic Science where they evaluate scientific evidence to determine the cause of death, manner of death, and factors that contributed to the death.*
- *Competitive events participants are actively engaged in using technology for research and learning. Events such as Healthy Lifestyle, Epidemiology, CERT Skills, Public Service Announcement, Public Health, and Biomedical Debate depend extensively on web-based resources for event preparation. Students choose to use computers in events such as Public Service Announcement or Clinical Specialty when the computer adds to the effectiveness of their presentation.*

HOSA and STEM Education are both focused on preparing the student to pursue a career in the biomedical sciences and health professions. A crosswalk of HOSA Competitive Events and STEM Education follows to demonstrate the correlation between the two.

# CROSSWALK

## HOSA COMPETITIVE EVENTS AND STEM EDUCATION

EVENTS	SCIENCE	TECHNOLOGY	ENGINEERING	MATH
Barbara James Service Award ^				
Behavioral Health				
Biomedical Debate	✓	✓		✓
Biomedical Laboratory	✓	✓		✓
CERT Skills	✓	✓		✓
Clinical Nursing	✓			✓
Clinical Specialty	✓	✓		
Community Awareness	✓	✓		
CPR/First Aid	✓			✓
Creative Problem Solving	✓			
Cultural Diversity & Disparities	✓			
Dental Science	✓	✓		
Dental Terminology	✓			
Dynamic Decisions ^	✓			
EMT	✓			✓
Epidemiology	✓	✓		✓

<b>EVENTS</b>	<b>SCIENCE</b>	<b>TECHNOLOGY</b>	<b>ENGINEERING</b>	<b>MATH</b>
Exploring Medical Innovations ^				
Extemporaneous Health Poster ^	✓			
Extemporaneous Writing	✓			
Forensic Science	✓	✓		✓
Foundations of Medical Terminology ^	✓	✓		✓
Health Care Issue Exam	✓	✓		✓
Health Career Display ^	✓			
Health Career Exploration ^	✓			
Health Career Photography	✓	✓		
Health Career Preparation ^				
Health Education ^	✓	✓		
Healthy Lifestyle ^	✓	✓		✓
Home Health Aide	✓			✓
HOSA Bowl	✓	✓	✓	✓
HOSA Happenings ^				
Human Growth & Development				
*Interviewing Skills				
Job Seeking Skills		✓		

<b>EVENTS</b>	<b>SCIENCE</b>	<b>TECHNOLOGY</b>	<b>ENGINEERING</b>	<b>MATH</b>
*Life Support Skills	✓	✓		
Life Threatening Situations ^				
Math for Health Careers ^				
Medical Assisting	✓			
Medical Innovation	✓	✓	✓	✓
Medical Math	✓			✓
Medical Reading ^	✓			
Medical Spelling	✓			
Medical Terminology	✓			
MRC Partnership	✓			
National Service Project ^				
Nursing Assisting	✓			
Nutrition ^	✓			✓
Organizational Leadership				
Outstanding HOSA Achievement				
Outstanding HOSA Leaders				
Organizational Leadership				
Parliamentary Procedure				
Pathophysiology	✓			

<b>EVENTS</b>	<b>SCIENCE</b>	<b>TECHNOLOGY</b>	<b>ENGINEERING</b>	<b>MATH</b>
*Personal Care	✓			
Pharmacology	✓			✓
Pharmacy Science	✓			✓
Physical Therapy	✓	✓		✓
Prepared Speaking ^				
Public Health ^	✓	✓		
Public Service Announcement	✓	✓		
Researched Persuasive Writing and Speaking	✓			
*Speaking Skills ^				
Sports Medicine	✓			
Veterinary Science	✓	✓		