HOSA 106

HOSA STRATEGIES FOR EMERGENCY PREPAREDNESS: COMPETITIVE EVENTS

INTRODUCTION

PURPOSE

For most of its history, the focus of Health Science Education has been preparing students for health careers in a variety of healthcare settings. As healthcare and world events change, the need for preparation beyond the traditional healthcare delivery system is apparent. HOSA provides a unique program of leadership development, motivation, and recognition for health science students, through the National Competitive Events program. HOSA recognizes the importance of providing students with training far beyond the basic technical skills needed for the rapidly changing healthcare system. As a result, one of the event categories is Emergency Preparedness. HOSA advisors are most likely familiar with CPR/First Aid, Emergency Medical Technician, and First Aid/Rescue Breathing. In 2007, a new event, Community Emergency Response Team (CERT) was introduced. Two additional events were added in 2008 - Public Health Emergency Preparedness and Epidemiology.

The purpose of HOSA 106 is to help the local HOSA advisor become more knowledgeable with the Emergency Preparedness Events, specifically, the newest three (3) competitive events. Becoming more comfortable with the components and information required in these events, the advisor will have the confidence and skill to facilitate the learning and preparation of students choosing to participate in these exciting opportunities. HOSA 106 is a resource tool for teachers to help them learn more about the events, identify and obtain official resources, integrate the content and skills into the classroom curricula, locate resources for updated related content information, and guide students in their search for career-related information.

COURSE OBJECTIVES

The course is divided into four modules, each with a specific set of learning objectives. The course is designed to be a self-paced, web-based course for health science teachers and HOSA advisors. The flexible design of the course allows it to be used for a variety of purposes.

Module 1:   Epidemiology

1.   Explain the purpose of the Epidemiology Competitive Event.
2.   Identify official references that support the knowledge and skills needed to help HOSA chapter members prepare for this event.
3.   Describe the components of the Epidemiology Competitive Event.
4.   Analyze opportunities for integrating epidemiology event knowledge and skills into the health science classroom.
5.   Explore career opportunities in the field of public health epidemiology.

Module 2:   Public Health Emergency Preparedness

6.   Explain the purpose of the Public Health Emergency Preparedness Competitive Event.
7.   Identify official references that support the knowledge and skills needed to assist HOSA chapter members prepare for the event.
8.   Describe components of the Public Health Emergency Preparedness Competitive Event.
9.   Analyze opportunities for integrating the Public Health Emergency Preparedness Competitive Event knowledge and skills into the health science classroom.
10.   Explore career opportunities in the field of Public Health Emergency Preparedness.

Module 3:   Community Emergency Response Team (CERT)

11.   Explain the purpose of the Community Emergency Response Team (CERT) Competitive Event.
12.   Identify official references that support the knowledge and skills needed to help HOSA chapter members prepare for the event.
13.   Describe the Community Emergency Response Team Competitive Event process.
14.   Analyze opportunities for integrating the CERT Event knowledge and skills into the health science classroom.

Module 4:   CPR/First Aid, Emergency Medical Technician, and First Aid/Rescue Breathing

15.   Identify resources for obtaining updated information for CPR/First Aid, Emergency Medical Technician, and First Aid/Rescue Breathing events.
16.   Identify official references that support the knowledge and skills needed to help HOSA chapter members prepare for the events.
17.   Explore career opportunities related to emergency response.

RESOURCES

In preparation for this course, the HOSA advisor must have ready access to the Internet. The resources are free and accessible via the web. Resources for each of the competitive events are listed in the corresponding module. There are many resources for the Emergency Preparedness Events, however the major resources include:

♦ Centers for Disease Control (CDC) (www.cdc.gov)
♦ Citizen Corps (www.citizencorps.gov)
♦ Federal Emergency Management Agency (FEMA) (www.training.fema.gov)
♦ National Institutes of Health (NIH) (www.nih.gov)
♦ College Board (www.collegeboard.com).

As resources are updated and revised, it is important that the HOSA advisor utilize the most current editions. It is not uncommon for web pages or web addresses to change over time. If the user is unable to click on the links included in the modules, copying and pasting the web address in the browser will work. However, as changes in the resources do occur, they are posted to the HOSA website as "event updates" at http://www.hosa.org/natorg/sectb/index.html.

Each website will list instructions and availability for downloading curricula, lessons, and documents. In addition, please review the following specific notes:

• NIH curriculum: *Emerging and Re-emerging Diseases*-This supplement is out of print, however HTML and PDF versions are available at http://science.education.nih.gov/supplements. Users may make copies of the PDFs for educational use only, as long as the materials are neither changed nor sold.
• The files available for download throughout the course are primarily in PDF format. Users will need to Adobe Acrobat Reader, which is also available for free download. Some files are in Word and many of the files are zipped, requiring the WinZip application. Information about these types of files, along with instructions are available on the websites.

ASSESSMENT

This course includes four (4) modules and a number of assignments that must be completed. All of the assignments should be collected in a course notebook. At the conclusion of the course, the notebook can be submitted to a CEU or degree-granting institution for credit.

Teachers or HOSA advisors who wish to complete this course for any type of credit need to BE SURE to have prior approval from the credit-granting institution.

HOSA 106 NOTEBOOK ASSESSMENT CHECKLIST

Course participants must collect evidence of course completion in a notebook or portfolio, and include the items in the order listed below.

☐ Assignment Page from Module 1

☐ Epidemiology Website Scavenger Hunt (Attachment 1-1)

☐ Lesson Plan: "Introduction to Epidemiology" (Attachment 1-2)

☐ Student Debrief Summary OR Test Items from assignment four (4), *Epidemiology in the Classroom*

☐ Epidemiology Background Concepts (Attachment 1-3)

☐ PowerPoint OR flashcards from assignment six (6); OR Creative Activity for the *Young Epidemiology Scholars* website (Attachment 1-4)

☐ Understanding Emerging and Re-emerging Infectious Diseases (Attachment 1-5) AND content outline from assignment seven (7)

☐ Website description (*What is Public Health*?) and Instructional Strategy/Tool for assignment eight (8)

☐ A copy of the Presentation PowerPoint for the website, **Disaster Epidemiology and Assessment**, and rubric (if students created the PowerPoint)

☐ Assignment Page from Module 2

☐ Specific Hazard Chart (Attachment 2-1)

☐ Lesson Plan Emergency Preparedness and You (Attachment 2-2)

☐ *Get Email Updates* confirmation page

☐ Emergency Preparedness Presentation Plan samples (Attachment 2-3)

☐ What's New in Public Health Emergency Preparedness (Attachment 2-4)

☐ Speaker Summary (Attachment 2-5A) OR Interview Summary (Attachment 2-5B)

☐ Assignment Page from Module 3

☐ Copy of HOSA 105 certificate OR Lesson Summary (Attachment 3-1A) OR Assignment Summary (Attachment 3-1B)

☐ NIMS Curriculum Tips for Students (Attachment 3-2)

☐ Test Plan Resource Chart (Attachment 3-3)

☐ Event Resource Chart (Attachment 3-4)

☐ Scenarios from assignment six (6)

☐ Disaster Kit Check Off Sheet (Attachment 3-5)

☐ Assignment Page from Module 4

☐ Official Reference Chart (Attachment 4-1)

☐ Reflection Page for assignment three (3) (Attachment 4-2)

☐ Career Profiles (2) student handouts