



### Greetings!

The National Consortium on Health Science and Technology Education is a national partnership of individuals and organizations with a vested interest in health science and technology education. Organized in 1991, its purpose is to stimulate creative and innovative leadership for ensuring a well prepared health care workforce. Primary strategies include fostering collaboration among educational agencies, the health care community, policy makers, and labor.

Our hope is that this newsletter stimulates partnerships and planning for the future. We welcome your comments and suggestions.

### in this issue

- NCHSTE NEWS
- WHAT'S NEW
- HEALTH SCIENCE CLUSTERS
- CONFERENCES
- WHATZUP?
- HOSA - HEALTH OCCUPATIONS STUDENTS OF AMERICA
- PUBLISHERS CORNER
- PUBLISHERS CORNER

### WHAT'S NEW



Two national organizations with expertise in curriculum design, professional development, program evaluation, and healthcare workforce demands— **MPR Associates, Inc. (MPR)** and **National Consortium on Health Science and Technology Education (NCHSTE)**—have established a partnership to produce a curriculum for a National Biomedical and Health Sciences Secondary Program (NBHS). This effort aims to improve students' academic achievement.

A recommended course framework for the curriculum has been designed. It includes the academic and elective courses that comprise a curriculum for a postsecondary preparation program of study. Key features of this Biomedical and Health Sciences Curriculum Framework are:

- Integrated instructional units for academic and health science courses
- A Health Sciences Core series of courses
- Senior year electives

The curriculum development work in this project has been divided into three phases.

### NCHSTE NEWS

#### 2004-2006 Report from Carole Stacy, Executive Director

NCHSTE has become a catalyst for change and innovation in health science cluster programming. As the Cluster Lead for Health Science we have identified the critical components needed for successful cluster implementation. The National Healthcare Cluster foundation and pathway standards were revalidated and a fifth pathway, Biotechnology Research and Development was identified. NCHSTE also developed a toolkit to assist industry and schools initiate and sustain partnerships.

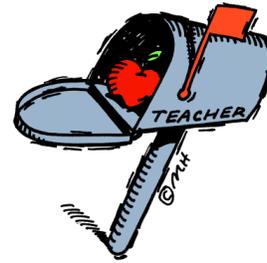
Phase I is the development of integrated instructional units. The work on this phase will be presented at the Career Cluster Institute in June. Phase II of the project will add additional teams to complete the integrated units proposed for Phase II development and testing and to complete the Health Sciences Core Courses and the Work-Based Learning Experience protocol. Teams of healthcare professionals, educators, and employers will be invited to participate with professional curriculum developers in curriculum development sessions. Phase III of this project will be a "Train-the-Trainer" institute. Experts in curriculum design and health sciences content will provide in-service for teams of faculty in schools offer a health sciences program of study. These teams of experts will also provide continuous support and facilitation to schools in their states as the coursework is implemented.

One of the key goals of this project is to make this innovative curriculum available throughout the United States and to encourage wide adoption. For additional information contact Beverly Campbell, Project Manager at [becgroup@sbcglobal.net](mailto:becgroup@sbcglobal.net)

[For more information please visit the NCHSTE website...](#)

## HEALTH SCIENCE CLUSTERS

The States' **Career Clusters Initiative** has an exciting partnership to announce! They will be collaborating with the College and Career Transitions Initiative (CCTI) and the Office of Vocational and Adult Education, U.S. Department of Education, on two important projects that will help all of us in moving forward with the implementation of Career Clusters Pathway Plans of Study: We have been given funding to develop sample Plans of Study for each of the 81 pathways found in the 16 Career Clusters. To view the different pathways, visit <http://www.careerclusters.org/16clusters.htm>. Click on the cluster icon you are interested in and then scroll down to the pathway model, which can be accessed in PDF or Word format.



The review of the Cluster Knowledge and Skills has been extended to March 30, 2006. This will give the content experts additional time to complete the reviews.

[For information on Health Science Clusters...](#)

## CONFERENCES

4th Annual **Career Cluster Institute** will be held **June 12-14, 2006** at the **Pointe Hilton Tapatio Cliffs Resort in Phoenix, Arizona**.

Visit [www.careerclusters.org](http://www.careerclusters.org) for registration, agenda, and hotel information. Registration deadline is May 1, 2006.

The Tenth **NATIONAL HEALTH SCIENCE CURRICULUM CONFERENCE** will be held in **Oklahoma City, Oklahoma - October 26-28, 2006**.

The Pre-Conference will be held October 25, 2006.

[Here is a link to the registration information and the brochure.](#)

Our CD of integrated activities continue to be used by schools across the country.

NCHSTE is looked to for advice and consultation on program development and improvement, professional development for educators and administrators and how to collaborate with all entities in the healthcare arena, from preparation of the workforce to enhancing the skills of the existing workers. One of our primary objectives is to assist schools and their healthcare industry partners collaborate to design and implement quality health science programs in a variety of formats.

The NCHSTE Board of Directors has shown a total commitment to sustaining and enhancing the organization. More than 60% of our members are the original

## WHATZUP?

### WHATZUP IN FLORIDA

By Judith B. Conlin R.N., M.S. State Supervisor, Health Science Education

Governor Jeb Bush proposes bonuses for teachers who sign up to teach in Florida, especially math and science teachers. He also proposes that each classroom teacher have a laptop computer. Health Science Education initiatives include SUCCEED FLORIDA grants for nursing programs to help ease the nursing shortage and for academies to strengthen programs by the integration of academic and career and technical subjects. Several new health academies are in the works. At the state level, cluster work continues. Statewide articulation agreement meetings are being held. Hopefully, more and more students will be getting credit for what they already know. Review teams are reviewing programs throughout the state and recommendations for improvement are being made. Health Science Education programs face the same problems reported across the nation-lack of faculty, lack of clinical sites, long waiting lists of potential students, more and more background checks, and a HUGE shortage of health care workers. Together we shall persevere and, like our grants, SUCCEED.

### WHATZUP IN UTAH

By Thalea Longhurst, Health Science & Technology Education Specialist - Utah State Office of Education

Health Science and Technology education in the state of Utah continues to grow and provide wonderful opportunities for students. Our new Health Occupations Professional Essential (HOPE) course was completed and unveiled on CD this school year. The course curriculum is based on the National Health Care Foundation Skills Standards. The standards are divided into four units of instruction and the units can be combined to be taught as a semester-long course or taught independently and integrated into other existing health science and technology courses. In addition a student portfolio is required as part of the course and students completing the full course obtain the nationally recognized Health Care Foundation Skills Standards certificate by successfully passing a 100 question test administered by NOCTI.

Utah is offering its first Virtual Healthcare Interactive program this year. Four sites (200 students) have been chosen to participate in the live viewing of an Artificial Heart surgery and discussion with the surgeon. Intermountain Healthcare has been an incredible partner with this project and we look forward to continued partnerships with them. Utah is also participating in the development of the National Academy for Health and Biomedical Sciences project with NCHSTE. Two high schools, Northridge High and Murray High are working to develop units of integrated activity for "The World Summit" and "Smoking and the Lungs".

### WHATZUP IN OKLAHOMA

By Lara Skaggs, State Program Manager - Health Careers Education - Oklahoma Department of CareerTech Education

Oklahoma is utilizing a new learning management system that will offer (eventually) all health content online for our instructors and students. This should allow for programs to become more student-centered so students sitting side by side in a classroom can be working on different areas of content at their own pace. We are looking to create a robust learning environment.

member group from the first year we were organized, how many other organizations can make that statement? We continue to have a rich mix of education, industry and professional associations. Our Publisher's Coalition is truly one of a kind, supporting the organization and collaborating with each other to provide quality resources for health science programs.

I continue to be proud to be part of an organization that works so tirelessly for the good of both education and healthcare. It is exciting and gratifying to see our efforts turn into innovative initiatives.

Carole A. Stacy  
RN, MA, MSN  
Executive  
Director,  
National  
Consortium on  
Health Science  
and Technology  
Education  
TX: 517/347-  
8091  
FX: 517/347-  
4096  
cstacy@mhc.org

Oklahoma's governor has developed a statewide initiative to identify and further develop the economic clusters in our state. Health has been selected as the number one priority as it was identified as a huge need in all workforce regions. We have multiple committees working on pay for performance, revamping the system to provide more continuous service across business/industry services and full-time programs. The Department of Career Technical Education hopes to have our funding increased this year as money received from the new Oklahoma education lottery will be used for Health Careers.

### **WHATZUP WITH ASRT**

By Ginger Griffin, American Society of Radiologic Technologists

Student interest in educational programs in the radiologic sciences is high, but a lack of facilities and faculty contributed to almost 32,000 qualified students being denied enrollment in 2005, according to a recent survey by the American Society of Radiologic Technologists. The number of first-year radiography and radiation therapy students increased by approximately 5.1 percent and 9 percent, respectively. Estimated entering-class enrollment in nuclear medicine programs actually declined by one student from 2004 to 2005. While the total overall increase is positive, it continues the significant slowdown from the double-digit enrollment increases in radiography, nuclear medicine and radiation therapy programs in 2002 and 2003.

The ASRT has maintained its strong focus on promoting careers in the medical imaging professions. The ASRT continues to work very closely with the professional community to promote education as a career track for working technologists as well as talented students in training. In 2003 the ASRT initiated a Leadership Academy for Educators designed to help groom individuals new to classroom into becoming educational leaders. The ASRT has also taken steps to develop tools and materials targeted for use by educators, in particular new educators and clinical instructors. These materials, accessible through the ASRT Web (<http://www.asrt.org>), include templates for student performance tracking and program outcomes assessment, grading rubrics, and sample project plans.

The ASRT Education and Research Foundation has grown the number of grants available to technologists pursuing higher education as well as scholarships for students enrolled in programs to enter the profession. The ASRT Education Department assists educational program sponsors in the development of new educational programs at both the entry level and advanced practice ends of the professional spectrum. Through these efforts the ASRT is positioned to be a vital resource for new program sponsors, provide scholarship and grant resources for students in training, and promote technologist development in the area of education to enrich the pool of candidates ready to assume positions in the classroom when new programs are created and as the current population of educators reach the age of retirement.

**[More information on WHATZUP...](#)**

[www.nchste.org](http://www.nchste.org)



[Quick Links...](#)

[Register Now](#)

[Newsletter Archive](#)

[Related Topics](#)

[More About Us](#)



## **PUBLISHERS CORNER**

[Prentice Hall](#)

[Elsevier](#)

[Applied Educational Systems, Inc.](#)

[Career Communications Inc Publishers of American Careers Educational Programs](#)

[Thomson Delmar Learning](#)

[Glencoe/McGraw-](#)

## HOSA - HEALTH OCCUPATIONS STUDENTS OF AMERICA



[Prentice Hall](#)

HOSA is proud to work with 54 health care partners to retain outstanding HOSA membership in the pipeline for the health care professions. A special thanks to the National Consortium on Health Science and Technology Education for its financial and professional support.

HOSA's partners contributed approximately \$188,000 in scholarships to state and national recipients. NCHSTE's scholarship recipients: Molly Dillon - Michigan HOSA and Callie Ottmers - Texas HOSA.

Join our mailing list!

Dr. Cristina Beato, Assistant Secretary, U.S. Department of Health and Human Services, attended HOSA's National Leadership. She was the honored guest at a VIP dinner honoring HOSA Partners and scholarship recipients. Nancy Allen represented NCHSTE at the VIP Dinner.

The 2006 National HOSA Conference will be held June 21-24, 2006 at the Anaheim Hilton & Anaheim Marriott Anaheim, California. This event will feature HOSA's 30th Anniversary Celebration.

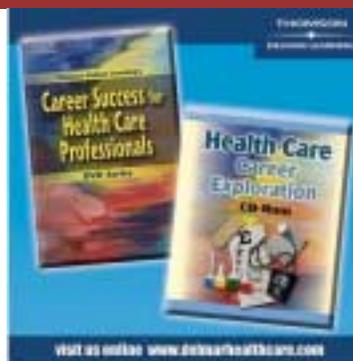
[For more information on HOSA...](#)

## PUBLISHERS CORNER

Thomson Delmar Learning announces four new additions to its comprehensive Career Success products for Health Occupations instructors and managers:

***Career Success for Health Care Professionals DVD Series*** Thomson Delmar Learning has developed this DVD series to assist instructors, human resource departments and workforce development managers to prepare their students and employees for the real world beyond clinical skills.

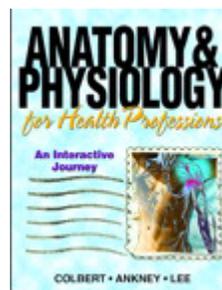
***Health Care Career Exploration CD- ROM*** This Thomson Delmar Learning product is the only one available that allows users to explore over 100 careers available in health care with a detailed job description for each career profile.



[For more information...](#)

## PUBLISHERS CORNER

Get ready for the ultimate tour of the human body! On April 1, **Prentice Hall** will release the first Anatomy & Physiology textbook designed specifically for students of health sciences. **Anatomy & Physiology for Health Professions** by Bruce Colbert takes students on an interactive journey through the human body. The book guides readers through each of the body systems with a fun, visual, applied approach that includes links to amazing multimedia activities and presentations.



Health science instructors and students will find this to be the ideal travel companion for exploring body structures and functions. Additional resources include an integrated CD-ROM, Student Workbook, MP3 review downloads, and an unparalleled instructional support package. Contact Ms. Harper Coles at harper\_coles@prenhall.com or by fax at 201- 236-7788.

To receive more information...

email: [wilson@mhc.org](mailto:wilson@mhc.org)

phone: (517) 347-3332

web: <http://www.nchste.org>