



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.

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NCHSTE NEWS



Report from Carole Stacy,
Executive Director

Wow, what a busy Spring! In March I attended a healthcare summit "Thinking From the Future" We heard futurists Ed Barlow and David Ellis challenge our thinking. Both speakers commended the healthcare community on our willingness to address the workforce shortages as a start, but cautioned that it is not enough. We also need to look at new ways to get the number of healthcare workers we are going to need and to figure out how best to use the resources we have.

I did take a little time out to take a vacation. I went to India for 3 weeks, while there I had the opportunity to visit Apollo Hospital, the first internationally JACHO approved hospital in India. I spent an incredible morning visiting with the Chief Nursing

WHAT'S NEW



BIOMEDICAL AND HEALTH SCIENCE INITIATIVE UPDATE

© MH The National Biomedical and Health Science Initiative co-managed by NCHSTE and MPR Associates Inc is nearing completion of the Phase I integrated, interdisciplinary academic and health care standards- based units. Eight states are currently participating in the developmental work, creating the content and beta testing the results. These same representatives will be attending a Reporting Out Session, June 11, in Phoenix, AZ just prior to the Annual Career Cluster Conference. Each team will be giving an overview of the completed work, samples of student achievement and will also be making recommendations on improving or enhancing the process and outcome.

Phase II of this project will begin with the same sites invited to participate in the development of an additional 23 integrated,

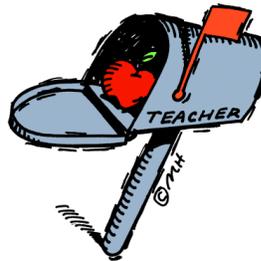
interdisciplinary standards- based units. Three additional states are needed for Phase II. Phase II training in the format of a Summer Institute is scheduled for July 25-28, 2006 for new teams and July 26-28 for returning teams. Mayo Clinic, Rochester, MN, the site of the Institute, has generously offered to provide the on-site opportunities to strengthen the connection between academic content and healthcare practices and procedures. It will be an outstanding experience to visit one of the premier healthcare centers in the world.

If you are interested in your state participating contact Carole Stacy, cstacy@mhc.org or Bev Campbell, becgroup@sbcglobal.net for details.

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

HEALTH SCIENCE CLUSTERS

The National Career Technical Education Foundation (NCTEF) and the National Consortium on Health, Science and Technology Education (Cluster Leader) are committed to a seamless educational system that blends academic and technical preparation, offers exposure to careers across the industry, and provides for career planning through a system of 16 Career Clusters. NCHSTE will Host a National Advisory Committee meeting for the Health Science Career Cluster on August 14, 2006. At this meeting we will, provide National Advisory Committee meeting participants the opportunity to conduct a thorough review of the proposed career pathway plans of study that relate to the health science career cluster. At this meeting, the National Advisory Committee meeting participants will have the opportunity to conduct a thorough review of the results of the web-based review of the knowledge and skills statements that relate to the health science career cluster. Dr. Anne Benson is facilitating the development of the plans of Study for each cluster and will facilitate the advisory meeting. Katherine Ruffing has written A Brief History of Career Clusters: Supporting a New Vision for Career Technical Education, this document can be found at www.careerclusters.org



[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 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.](#)

Executive and the Department Supervisors and a group of staff nurses. As always we found common ground to discuss and were having dialogue as if we'd known each other for years. The healthcare experience is truly global. Visit www.michigancenterfornursing.org for our photo.

Recently I had the opportunity to visit the gold standard of healthcare in the United States, the Mayo clinic in Rochester, Minnesota. The Mayo staff is interested in ways to design educational experiences for high school students and their teachers to ensure students are able to make good career decisions. The 2006 summer session for the Biomedical and Health Sciences Initiative will be held in collaboration with Mayo Clinic in Minnesota. NCHSTE is very fortunate to have this partnership.

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WHATZUP?

WHATZUP IN GEORGIA

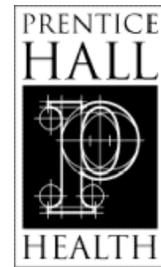
By Julie A. Garrett, Health Science & Technology Education Specialist - Georgia Department of Education

Georgia has 366 Educators hard at work in the classroom preparing over 20,410 students for careers in healthcare professions. Our Governor, Sonny Perdue, has identified healthcare (Life Sciences) as a strategic industry and there has never been a better time to be in healthcare in our State! We are very proud of the Center of Life Science Innovation in Augusta, Georgia which truly does bridge the worlds of industry, academia, and government in providing research and best practices for the health professionals of tomorrow. Georgia Career Technical and Ag Education department under the leadership of Mr. James Woodard is Re-engineering for the 21st Century expanding the scope to ensure that every Georgia student graduates from high school with the academic skills, hands-on experience in real work environments, and intensive career guidance required to succeed in college and/or employment. Mr. Woodard in a recent speech recognized Healthcare Science as the career and technical program with perhaps the greatest growth potential in our state. Industry Certification is one of many strategies the state implements to ensure the quality of Georgia's high school Healthcare Science programs along with Georgia Performance Based standards which are currently under development. Healthcare Science programs have the opportunity to pursue Industry Certification to distinguish themselves as exemplary programs. We are very proud of the 61 programs which have undertaken this rigorous process of allowing healthcare professionals to come into their classrooms and evaluate their complete program from "content (curriculum and completed student work) to equipment." We applaud these Healthcare Science programs for their determination to strive for excellence in going the extra mile. To end with a quote from our Governor in his State of the State Address, "People-focused—that means doing what makes a difference in people's every day lives." Could there be any better or more honorable professions in which to make a difference in people's every day lives than education and healthcare?

WHATZUP IN SOUTH CAROLINA

Nancy H. Allen, NCHSTE Chair

Greetings! I look forward to serving as chair of the consortium during this exciting time for the health science career cluster. The good news about the National Consortium on Health Science and Technology Education serving as the national advisory committee for the health science career cluster is that we have set the standard for success. Our accomplishments over the past years have positioned us to provide direction on a seamless educational system that blends academic and technical preparation, offers exposure to health careers across the industry, and provides career planning for those enrolled in the PK to 16 system to life-long learning. Our audience and participants will continue



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to benefit from the products already developed, our assessment, and our current initiative, the National Biomedical and Health Science Secondary Project.

Much work has been done - much work remains to be done, as the NCHSTE does our part to help alleviate current and projected healthcare workforce shortages. The consortium will focus on further partnership development with the healthcare industry and expanding our capacity to include more state education agencies in our work. We have an important responsibility serving as the advisory committee. The momentum is moving forward to improve students' academic achievement at the high school level and encourage more young people to consider a career in healthcare.

Get ready as the NCHSTE continues to be the pacesetter for the cluster advisory committees. Thank you for your many contributions to our outstanding achievements. Remind your education and industry contacts of our upcoming 10th National Health Science Curriculum Conference, Oklahoma City, OK, October 26–28, 2006. Invite them to attend and gain an appreciation of a national career cluster advisory committee that works!

WHATZUP IN WISCONSIN

By Jane Heibel, Health Science Occupations Education Consultant-
Wisconsin Department of Public Instruction

Curriculum is a constant process so that teachers are always working hard to keep up-to-date and Wisconsin is no exception. Health Science Occupations has two curriculum projects in the works and the Career and Technical Education Department is trying to develop a delivery process for curriculum that would include a published document with supplemental teacher materials available on the web. Program Content Standards are being worked on for all the Career and Technical Education program areas which includes Health Science Occupations. These standards are for the teacher preparation institutes. They will be used when looking at the programs in each of these institutes and the way the institutes help the students meet the ten teacher standards established by Wisconsin.

At a January meeting of the Local Vocational Education Coordinators, an announcement for kicking off the Career Clusters approach to Career and Technical Education was presented. The Health Science Cluster will be looked at during summer in-services to promote the cluster approach and utilize the work that has already been done to implement some basic structure in the Health Science programs at the local level. The good thing about Health Science is that there is always something new to talk about and to do!

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



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**HOSA CELEBRATES 30TH ANNIVERSARY IN
ANAHEIM - JUNE 21-24, 2006**

On Wednesday, June 21, the Deputy Surgeon General of the United States, Rear Admiral Kenneth P. Moritsugu, M.D., M.P.H., will join the National Executive Council and the largest number of delegates at the Opening Session of the HOSA National Leadership Conference to celebrate HOSA's 30th Anniversary in Anaheim, California. More than 5,500 registered HOSA members, advisors, guests, corporate sponsors, and VIPs will participate in four days of energizing general sessions, national officer candidates' campaigning, 50 competitive events based on industry standards, career-oriented workshops, social events, and tour opportunities to Disneyland, California Adventure, Knotts Berry Farms, Universal Studios or Hollywood. Nearly 3,900 competitors will compete in 50 well-organized and challenging competitive events. California HOSA and HOSA-National have recruited nearly 300 judges from the Anaheim and Greater Los Angeles area to assure a world-class National Competitive Events Program.

HOSA will announce a membership increase for the 21st consecutive year. Approximately 81,000 members and advisors affiliated with HOSA-National in 2005-06. HOSA's goal is to exceed 100,000 HOSA members before 2010.

As part of the Educational Symposium, a series of workshops will be offered to delegates, including: Emergency Preparedness (a unique program for recruiting students to Health Science Education); Muscles: Anatomy in Clay; Vanderbilt LifeFlight— Nurses with Wings; Careers in Rehabilitation (AOTA); Genes in a Bottle (Bio-Rad Laboratories); The Job Journey—No Soft Skills, No Jobs; Orthotics and Prosthetists—Make a Career Making a Difference (AAOP), Brain and Heart: Anatomy in Clay; Forensic DNA Fingerprinting (Bio-Rad Laboratories); Consider a Career in Allied Health—Health Professions Network; You be the Judge (Godwin, Pappas, Langley, Ronquilla, LLP); ELISA Immuno Explorer (Bio-Rad Laboratories); Conducting a HOSA Golf Tournament for Visibility and Fundraising; Code Blue (Traemus Books); A Medical Career in the Army (U.S. Army ROTC); etc.

HOSA-National and HOSA State Associations are united in awarding scholarships to HOSA members in pursuit of a degree leading to a career in the Health Professions. The goal is to award \$1-million in scholarships to HOSA members at State and National Conferences by 2010. Combining scholarships awarded during State and National Conferences in 2006, 236 HOSA members will be awarded \$209,525 in collegiate scholarships. The 36 HOSA members receiving scholarships at the 2006 NLC will be hosted at a dinner by the scholarship sponsors including the National Consortium on Health Science and Technology Education (NCHSTE), HCA, Army ROTC, Kaiser Permanente, Nursing Spectrum, Nurses for a Healthier Tomorrow, Thompson Delmar Learning, National Honor Roll, National Technical Honor Society, Lippincott Williams and Wilkins, Applied Technologies, Health Science Technology Education Division of ACTE, etc.

For more information about the 30th Anniversary Celebration and the 2006 HOSA National Leadership Conference, please go to www.hosa.org or contact HOSA-National at 800.321.HOSA.

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

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Applied Educational Systems' HealthCenter21 – Health Care Foundations is an integrated laboratory system that provides a solid foundation in health science and technology education. Using sound learning theory and leading- edge technology, the HealthCenter21 system prepares students for entry-level health care employment and provides the foundation for further training in advanced health services occupations. This unique learning system integrates a full year of standards-based Curriculum, with an interactive multimedia Delivery system, and powerful laboratory Management tools. The curriculum supports NCHSTE's National Health Care Skill Standards and covers the essential knowledge and skills from all 11 Foundation Standards.

[Click here for a curriculum overview and correlations to state standards.](#)

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Glencoe/McGraw-Hill introduces two new health care science programs! **MedTerms ©2007** is a vocabulary development program that can be used with any health care science course. This interactive CD-ROM contains easy-to-use learning games that will engage students as they learn medical terminology. An electronic score card tracks students' progress on each game. Program components include: MedTerms Student Interactive CD-ROM (ISBN 0-07-874775-9) and an Instructor Resource CD-ROM (ISBN 0-07-874776-7). **A Demo CD-ROM (ISBN 0-07-875342-2) is available.** Just call 1-800-334-7344 to order this exceptional demo CD-ROM today!

The **Effective Nursing Student ©2007** is a skills-based program that integrates academic skills with the National Health Care Skills Foundation Standards to enable students to pursue CNA certification. Students will learn procedures and techniques commonly performed by nursing assistants. Program components include the: Student Edition (ISBN 0-07-874477-6); Instructor Annotated Edition (ISBN 0-07-874478-4); Lab Manual (ISBN 0-07-874479-2); Lab Manual Instructor Annotated Edition (ISBN 0-07-874480-6); Instructor Resource CD-ROM (ISBN 0-07-874481-4). Call 1-800-334-7344 to place an order!

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Applied Technologies offers Health Science instructors strategies to teach the National Healthcare Skill Standards in a workshop using their **Health Science Foundations** course. Instructors attending a workshop receive a complete unit of the browser-based course for immediate classroom use. For more information on scheduling a workshop and review sample lessons, go to www.applied-technologies.com/health.

Consider also expanding your diversified health program with the **Career Pathways** modular curriculum. Students explore in depth the history and science of health careers and perform hands-on skills. To learn how this curriculum can increase students' knowledge and classroom clinical experiences call 800-334-4943 or email us at applied.tech@lli.com.

For more information...

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