### National Health Science Conference Workshop Sessions

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<tr>
<th>Presenter</th>
<th>Title</th>
<th>Session Description</th>
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<tr>
<td>Chris Ormsby - Brien Shively</td>
<td>The Economics of Healthcare in a Pandemic</td>
<td>2020 has been the most tumultuous year most of us can remember, especially for healthcare workers. Besides the prevailing COVID crisis and its impact on their jobs, these workers must contend with the stress of economic tough times. This webinar will shed light on the future of the economy and health science professionals’ place in it. Chmura Economics will present its latest forecast on the economy's growth in the near future and data that shows the career prospects for various careers in the healthcare industry.</td>
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<tr>
<td>Denise Dubois*</td>
<td>Integrating Leadership Soft Skills Into Your Health Science Program</td>
<td>Young people in today’s health science programs will be the next generation of leaders in hospitals, clinics and public health. Genuine leadership opportunities support transition into being workforce ready, foster key workforce skills, instill character and provide transferable skills. Learn how to help future healthcare workers develop leadership skills and character by providing realistic scenarios for practice. The session will include specific lessons, activities and resources for integrating leadership soft skills into allied health programs of study.</td>
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<tr>
<td>Starla Ewan*</td>
<td>Starla’s Hands-On Body Systems: Construction of Cardiovascular Diseases</td>
<td>Instructors will receive teaching techniques and affordable hands-on-easy to use lessons for guiding students through the development of common cardiovascular diseases. These lessons guide students to understand the changes that take place resulting in the development of hypertension, heart attacks, strokes, aneurysms, and congestive heart failure. Teachers will also receive activities on how to apply student research, case study activity, and lifestyle changes can reverse some of these diseases. Participants will walk away with ‘constructed diseases’ at the end of the workshop to take back to their classrooms!</td>
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<tr>
<td>Karen Edwards - Ravi Russell</td>
<td>Teaching the Great Diseases</td>
<td>This session will provide resources for Health Science Educators to better teach Infectious Diseases, Cancer, Neurological Disease, and Metabolic Diseases using the Great Diseases Curriculum from Tufts University. Explore ways to enhance your knowledge and then your students through written lessons the Great Diseases provide.</td>
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<tr>
<td>Lauren Goffst + Amy Gallagher</td>
<td>Classroom: Handling the Challenging Student</td>
<td>While medical professionals lead the charge in fixing injuries, they are not immune to them. Caretaker’s mission is to deliver Safety Education for America’s Future™ and that includes our future healthcare specialists. As the healthcare industry continues to grow, we are committed to offering affordable, innovative and informative OSHA 10-hour safety training to reach as many young workers as possible and to build a culture of safety in educational institutions.</td>
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<tr>
<td>Katrina Hayes - Rhonda Guett</td>
<td>Teaching Through the Pandemic: What Health Science Teachers Need Right NOW!</td>
<td>NCHE stands ready to offer new, high-quality engaging content aligned to the National Health Science Standards through the Health Science Curriculum Enhancements Version 6.0. First published in 2012, the enhancements are a popular resource with teachers. Released in early August 2020, this version was developed by teachers for teachers. Predicted to be a classroom GAME CHANGER! now totally redesigned with content outcomes, VRs, apps, projects, videos, websites, text terms with a major emphasis on the inclusion of technology. Appropriate for face-to-face, blended or complete online instruction, this learning tool is loaded with over 500 links. Join our special session planned for health science educators to learn more and decide if this resource could be valuable for your classrooms.</td>
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<tr>
<td>Lou Ann Lively - Tony McLennan</td>
<td>Fun and Learning to Organize Oh My!</td>
<td>Do you want your students to study, learn and be able to teach students to take notes, help students get organized, and use clay to make body systems so they can understand the body? But most of all how do you have fun, impart important facts, and help students remember what they have learned? This session will show you how to accomplish those goals using the Anatomy in Clay Tartarium.</td>
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<tr>
<td>Amber Morris</td>
<td>Public Health Curriculum</td>
<td>In our current climate of an active pandemic, public health has taken center stage. This attention has brought much interest to the public health career field. Public health is a multidisciplinary pathway that promotes good health and quality of life in various populations by incorporating epidemiology, biostatistics, and health services. In 2020, we are starting two Public Health Pathway in Health Science Educators. Public Health/Epidemiology instruction has expanded in part because it increases student critical thinking and scientific literacy; promotes students’ perception of public health as both practical and relevant, and empowers students as independent, lifelong learners. Embedding the public health curriculum into existing and continually shifting curricula is challenging and time-consuming, especially for teachers not trained in the field. Currently, available teaching resource emphasize content rather than thinking skills. They, therefore, do not optimally promote students' engagement with an in-depth understanding of the mission and goals of public health. With support from the SC DOE, I propose a new framework for health science courses drawn from progressive education ideology. This presentation will provide multiple examples to show how this public health curriculum has been used in my classroom to increase critical thinking skills in high school students.</td>
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<tr>
<td>Mandy Nau</td>
<td>What’s New with Health Professionals Week?</td>
<td>Health Professionals Week (HPW) is a virtual event which allows teachers and students to explore over 20 careers in the health professions. HPW is supported by online and virtual events which focus on career awareness &amp; education. HPW is designed to increase the diversity of young people interested in pursuing a health career. By targeting students who are still deciding on their career path, there is an opportunity to reach a broader and more diverse audience to educate them about the benefits of pursuing a health professions program. The objectives of this session include an overview of outcomes from previous HPW events, ways to introduce HPW to students and classrooms and the benefits of participating as a teacher.</td>
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<td>Ashley Orr</td>
<td>Establishing Your Middle School Health Science Curriculum and Program</td>
<td>The growing demand for healthcare professionals is at all time high! Learn how to organize your projects for your middle school program to support the development and delivery of your middle school health science education program. By raising awareness early, students are better prepared to enter their high school health science education program with an enlightened perspective and enthusiasm for becoming future health professionals.</td>
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<tr>
<td>Karen Smith</td>
<td>Self-Care Essentials: The POWER of YOU</td>
<td>In today’s society, demands upon our time leave little for us. We often neglect to recognize self-care as a priority. YOU have the “POWER to take care of YOU!” When you travel in an airplane, the flight attendant reminds you to put on your own oxygen mask before rendering aid to others. Your oxygen levels must remain therapeutic in every aspect of life, right? Essential questions: How do you take care of yourself? How do you approach Self-Care? Are you a priority? You are encouraged to attend this session on Self-Care Essentials: The POWER of YOU. Karen Ruble Smith, RN and &quot;Seasoned Health Science Educator,&quot; will share stories with you where she was reminded that an essential part of life is finding the POWER of YOU. Everyone “takes away” something!</td>
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<td>Linda Spahr - Stephanie Morell</td>
<td>Prepare Students to Lead and Serve for Health &amp; Science Change</td>
<td>Lead4Change is a free program that teaches leadership and includes a structured service project so students can practice their skills while making real change in their school, community and the world. For health sciences students, Lead4Change can be the place (even virtually) where they find purpose and connection to take their subject knowledge and use it for leading change. Educators register for free at Lead4Change.org.</td>
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<td>Jackie Uaion</td>
<td>CERT Programs in High School</td>
<td>Within a Health Science program you can add additional training with the Community Emergency Response Team program. It helps students to learn disaster preparedness and more about emergency management.</td>
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<td>Dan Voelker - Celina McCreery</td>
<td>Activities for Teaching Health/AF &amp; PTF and Distance Learning</td>
<td>This session will use both live and interactive activities in a document camera to demonstrate distance learning opportunities that engages students in hands-on learning using the Tereken model. Students today are used to interacting through video games, apps or other digital means that they feel fun and entertaining. The idea of teaching or reviewing material in a fun and interactive format is not new to the field of education but has proven to be the most successful way to keep students’ attention. Learn how to bring the use of some “classic” games into the world of health science to keep students engaged in the process. You will learn how to adapt some well-known games such as Simon Says, 20 questions, Heads Up, Pictionary, Jeopardy, Scattergories, Balderdash and more. Learn both the tools for relating to others in collaborative ways that prove, in conflict, the issue is rarely the issue.</td>
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<td>Linda Wirt Workshop 1</td>
<td>It’s All Fun and Games</td>
<td>This session covers a variety of quick and easy tips and tricks to keep your class moving and engaging from bell-to-bell. Learn how a simple change of phrase will get you the results you and your students want. A pack of index cards will make you look like a super-talented to students and administrators alike. One-minute transitions and five-minute fillers will give you the tools you need to keep everyone on their toes and excited to come back the next day.</td>
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<td>Starla Ewan*</td>
<td>Handling the Challenging Student and Situations They Create</td>
<td>Great ideas to arm you to handle the challenging student who Terrorizes you, Undermines you, is Rude, and Disrespectful (a.k.a. ‘The T.U.R.D.) Executing these simple techniques can turn this student(s) around and prevent them from creating problems or taking the attention away from you or your teaching space. These successful and proven techniques will give you preparation, confidence, and the foresight to prevent damage by students who enjoy creating trouble.</td>
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<td>Michael Carbone</td>
<td>Enhancing Health Science Programs with Virtual and Augmented Reality</td>
<td>Increasingly computer-based, we often wonder why our new tools can’t provide the same results. Historically, technology has not been used with increasing frequency to engage students in the process of dissecting human hearts, students are demonstrating a deep level of engagement in healthcare when using augmented and virtual reality - and finally, there is evidence to support student outcomes. In this session, attendees will discover how Career students are using AR/VR as a part of their curriculum to prepare for college and future health careers. Attendees will gain perspectives from former CTE educators on the benefits of using AR/VR in their health science courses.</td>
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<td>Karen Edwards</td>
<td>Rockstar Prerecorded Lessons for the Flipped Classroom</td>
<td>During this session participants will learn the basics of flipping their classes. How to navigate pre-recorded lessons using educations and screencast, the structure of a flipped class and helpful tips for a successful flip.</td>
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This session will explore the benefits of a virtual healthcare internship for students who wish to gain real-life, work-based experience as they explore healthcare professions. This session will also discuss the case of virtual internship programs and how the students can incorporate the knowledge and skills gained from the internship into their future careers.

This session will cover a variety of quick and easy tricks and tips to keep your class moving and engaging from bell-to-bell. Learn how a simple change of phrase will get you the results you and your students want. A pack of index cards will make you look like a superstar to students and administrators alike. Five-minute transitions and five-minute fillers will give you the tools you need to keep everyone on their toes and excited to come back to the next bell.

This session will cover all aspects of how to create a project-based learning project that will allow students to show they have gained insight and a true knowledge through solving a complex problem. The session will use real-life examples of how PTAs and other professionals have used project-based learning in their practice.

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Credentialing and Careers

Benefits of a Virtual CERT Programs in High Public Health Curriculum in the Health Science Classroom

Lindsay Fox

The Career of Respiratory Therapists: Seeing Lives One Breath at a Time

Exciting, high-growth career opportunities in the bioscience industry are often overlooked, or even unknown to many students participating in biomedical programs of study. Knowledge and skill sets integral to many of these careers are traditional components of biomedical programs, and provide added value to students seeking careers beyond the health science professions. Come learn about bioscience careers, the national involvement of developing the industry recognized Biotechnology Assistant Credentialing Exam (BACE), and outcomes of credential earners.

Tamura Mandel®

Credentialing and Careers in the Bioscience Industry

Peggy Moore - Heidi Kasche - Cristina Gehrke

Building Online, Interactive Modules: How we did it and how you can too!

For teachers and students over topics such as Genetics, Pathology & Microbiology, Pharmacology, Cancer, and Health Science Careers. Each module has a teacher guide to assist with aligning the module to your curriculum. In our next session, come learn about the uBEATS mission to inspire students to pursure health science careers and how to access the uBEATS library of online resources. We will also discuss the E-Learning Scorecard, designed to reinforce educational best practices for developing engaging online learning modules. This session is for anyone wanting to utilize ready-made online resources to support career awareness & education. HPW is designed to increase the diversity of young people interested in pursuing a health career. By targeting students who are still deciding on their career path, there is an opportunity to reach a broader and more diverse audience to educate them about the benefits of pursuing a health professions. The objectives of this session include an overview of outcomes from previous HPW events, ways to introduce HPW to trusted audiences and the benefits of participating as a teacher.

Mandy Nau

What's New with Health Professions Week?

Triney Shockley

Giving Health Science a New Lens Moving into the 21st Century

Amber Morris

Public Health Curriculum

Nicholas Wells - Lisa Wells®

How to Guide Students into a Career in Pharmacy

With the limited number of educators with experience in the pharmacy industry, this session will present information for educators to use in guiding students into careers in a pharmacy setting. Whether your student’s final objective is to work in a hospital setting or a retail pharmacy, this session will equip you with answers to guide them on their way.

WBL and Clinical Practices

Rosanne Jones

Expanding the State Mandated CHA Curriculum through Community Engagement

The CHA Signature Project of the Shawnee Mission School District enables you to “think outside the box.” It will be a game-changer for your students, give a true confidence boost, provide meaningful service to the community and a meaningful experience for launching your students into clinical’s successfully.

Carla Roberts

Benefits of a Virtual Healthcare Internship

This session will explore the different benefits of a virtual healthcare internship for students who wish to gain real-life, work-based experience as they explore healthcare professions. This session will also discuss United Planet’s virtual internship program and global healthcare project options.

Partnership Building

Chris Orsuna - Bryan Stroh

The Economics of Healthcare in a Pandemic

2020 has been the most tumultuous year most of us can remember, especially for healthcare workers. Besides the pressing COVID crisis and its impact on their jobs, these workers must contend with the stress of economic rough times. This webinar will shed light on the future of both the economy and healthcare workers’ place in it. Stroh Econometrics will present its latest forecasts on the economy’s growth in the near future and data that shows the career prospects for various careers in the healthcare industry.

Anne Louise-Dallard - Leigh Anne Hilbert

Four Diamonds Mini-THION: Funding Pediatric Cancer Research

Four Diamonds Mini-THION is a student-led turnkey project that is hosted in close to 300 schools with more than 50,000 students participating and raising over 7.2 million dollars last year. This program will augment the teachings of the classroom where students can participate in experiential learning and apply their classroom knowledge within their community by fundraising for pediatric cancer research. Childhood cancer is the leading cause of death by disease in the US. The national budget only provides 4% of its funding to pediatric cancer research. Families rely on programs like Four Diamonds Mini-THION to supplement the research. Four sessions can be part of finding a cure through this hands-on program developing their leadership skills. critical thinking and improving school culture.

Connie Gandy & Kevin Stiehler

New to Education? Transferring to the Secondary Classroom

Healthcare is welcoming internship opportunities into the secondary classroom as an increasing norm. Many of those experts have not spent extensive time working with the unique demographics; I.e., secondary school students. This presentation addresses the importance of pairing with a pedagogical colleague who possesses the experience and expertise to help ease the transition from working in the health care industry or the past secondary classroom into the secondary classroom. Highlights include the value of that relationship, the importance of SEL and improving student engagement through differentiation and challenging/opeous learning.

Certifications & Credentialing

Mike Carlin - Cicila McIvor

Health Science Industry Certification Supports Using Self-Directed Distance Learning

uBEATS' library of interactive modules is built to support the curriculum. They are designed to engage students with interactive modules and assessments that cover key health science topics. These modules align to the Next Generation Science Standards (NGSS) and are designed to challenge and engage students in the classroom.

Laura Flynn - Jennifer Oates* Creating Access to Healthcare Careers through your CTE Program

Your students are the future of healthcare. As an educator, you provide them with a solid educational foundation to help position them for a successful career. Providing your health science students access to an industry-recognized credential gives them access to hands-on experience, increased post-secondary attainment opportunities, and can empower them to enter a high-wage, high-demand profession.

Lauren Griffin - Amy Gallagher* CareerSafe Online: Safety Education for America’s Future**

While medical professionals lead the charge in fighting injuries, they are not immune to them. CareerSafe’s mission is to deliver Safety Education for America’s Future and that includes our future healthcare specialists. As the healthcare industry continues to grow, we are committed to offering affordable, informative and innovative OSHA 10-hour safety training to reach as many young workers as possible and to build a culture of safety-in educational institutions.

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Jackie Uhalton

CERT Programs in High School

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