

Health Science Education Update

CTE Advisory Committee Meeting – October 21, 2019

Submitted by Shelly Wehmeyer, director

STAFF UPDATE:

Shelly Wehmeyer remains the director of Health Science Education. **Byekwaso Gilbert**, former supervisor in the Health Science & Engineering and Technology Education section was promoted to director in mid-June. **Rachel Fisher** was promoted to a program specialist from her former administrative assistant position. Rachel's day-to-day job duties are specific to CTSO needs for both Missouri HOSA and Missouri TSA. **Haley Richardson** was hired on October 1, 2019 as the administrative assistant in the Health Science & Engineering and Technology Education section. The section is now fully staffed.

HEALTH SCIENCE EDUCATION PROGRAMMING:

Shelly Wehmeyer attended and presented at **New Teacher's Institute (NTI)** on July 28-31, 2019. There were twenty-three (23) new Health Science Educators present representing secondary and adult/postsecondary education, along with an additional four Health Science Teacher Leaders. The statewide Mentoring Program was promoted to the new educators, and curriculum enhancements and work based learning resources available through the National Consortium for Health Science Education (NCHSE) were provided.

Shelly Wehmeyer serves on several Advisory Committees across the state. Committees and dates applicable from the last CTE Advisory Committee Meeting are below.

- **Statewide Community Health Worker Advisory Committee:** Met on August 1, 2019.
- **Governor's Organ Donation Advisory Committee (GODAC):** Met on August 7, 2019.
- **Nichols Career Center Health Science Program Advisory Committee:** Met on October 8, 2019.
- **State Technical College Nursing Program Advisory Committee:** Met on October 11, 2019.
- **Missouri Hospital Association Central Missouri Health Care HPOG Human Resource Committee**
- **OAKs Committee: Missouri Outdoor Action Committee**
- **Columbia Area Career Center EMT Advisory Committee**
- **University of Central Missouri (UCM) Career & Technology Education Advisory Committee**

Shelly Wehmeyer met with the **Missouri Hospital Association** and the **Department of Health and Senior Services** on August 16, 2019 to discuss the legislative changes that impact Certified Nurse Assistant (CNA) regulation and instruction. Continued conversations are occurring as new rules are being proposed.

Shelly Wehmeyer was elected as Treasurer in January, 2019 to the **National Consortium for Health Science Education (NCHSE)** Executive Council. She attended the Executive Council Meeting on August 19-22, 2019 in St. Louis, Missouri, where the upcoming **National Health Science Conference** will be held on November 5-8, 2019. This conference has been encouraged through the Health Science List Serv.

In early September, the contract to continue development of the **Secondary Health Science I and II Program Model and Structural Framework** as finalized. State Fair Community College has been contracted to assist in the development of this model, which will offer a one- and two-year framework for secondary Health Science programs. The last face-to-face meeting was held on June 26-27, 2019.

The **Fall Health Science Mentoring Meeting** was held on October 4, 2019. The focus was on special populations to include "Fostering School Connectedness", "Gifted Learners", and "Special Needs".

HOSA UPDATE:

Shelly Wehmeyer serves as the Missouri HOSA State Advisor. On August 6, 2019, two Missouri HOSA State Officers and the Missouri HOSA staff developed a **bylaws revision**, which will be taken to a vote at the upcoming Fall Leadership Conference. In late August, the **new Missouri HOSA website** was launched. Staff have been preparing for two upcoming statewide events which include the **Missouri HOSA Fall Leadership Conference** scheduled for October 17-18, 2019 at Stephens College campus in Columbia, and the first-ever **Competitive Events Preparation Workshop** scheduled for December 6, 2019 in Jefferson City.

BMIT

BMIT DATABASE

A new database is under construction that links funding, educators, CTSO involvement, and program approval in one location. This allows for quick communication with school leaders and ensures compliance with all CTE requirements.

COMPUTER SCIENCE

- A guidance document is available that addresses the importance of computer science, equity in computer science, teacher qualifications, data reporting, and professional development.
- Funds are available to districts to apply for computer science related professional development.

50/50 FUNDING

Grant funds are available for improving CTE programs through the purchase of equipment/curriculum enhancement resources.

- Over \$810,000 has been awarded to BMIT classrooms since July 1, 2019.

MENTORING PROGRAM

The mentoring program offers an opportunity for some of Missouri's most talented and respected teachers to draw from their experiences and knowledge to enhance the professional skills of new and returning teachers.

- This year, the BMIT program is supporting 22 new teachers. With 20 mentors from around the state assisting their assigned protégé, this program helps to ensure new teacher retention and on-boarding to guide them through the many aspects of the multiple roles required of these teaching positions.

MOACTE

The Missouri Business Education Association (MBEA) is in the middle of planning their Fall Conference to be held in Jefferson City on November 1-2, 2019. Presentations on topics ranging from accounting to work-based learning to information technology are being scheduled for a full conference of outstanding presentations.

The keynote speaker, Ed Douglas, an author from Chillicothe, will speak on "25 Truths: Building Character One Person at a Time".

DECA

DECA held four regional meetings which provided advisors information related to competitive events, traveling with students, and Cindy, MO DECA State Advisor, personally went to all 10 new advisors to accolade them to MO DECA. The Fall Leadership Conference was held on October 13

FBLA-PBL

Missouri FBLA-PBL provided four regional new adviser trainings across Missouri (Jefferson City, Puxico, Lebanon, and Chillicothe) to train new advisers on the intra-curricular elements of the association, chapter management, and competitive event success. Phi Beta Lambda hosted a two-day chapter leadership training (Fall Leadership Experience), with Middle Level hosting a career development training immediately

2017-2018 ENROLLMENT

- **Secondary CTE:** 304,471*
 - **Secondary Business:** 113,040*
 - **Secondary Marketing:** 16,474*
- *Duplicated count*

2017-2018 CONCENTRATORS

- **Business, Management and Administration:** 2262
- **Finance:** 379
- **Information Technology:** 1823
- **Marketing:** 1027

CTE Council Report

Skilled Technical Science

Joey Baker – SkillsUSA Supervisor

SkillsUSA State Officer Training: Seven elected student leaders participated in their third training session which included a ropes course and team building activity at the University of Missouri and culminated with a dinner presentation to Missouri Department of Elementary & Secondary Education staff.

New Teacher Institute: Joey participated in the duration of the institute providing technical assistance to new Skilled Technical Sciences educators and served as a presenter on Career & Technical Student Organizations.

SkillsUSA Fall Leadership Conference Stakeholder Taskforce Meeting: Joey convened a taskforce to re-envision our student leadership development approach. The taskforce's work resulted in a new conference format and name – EMPOWER. EMPOWER, grounded in the SkillsUSA Framework will develop student's skills empowering them to successfully lead their SkillsUSA chapters. The new conference format will focus on self-motivation, teamwork, planning, organizing, and management while applying these skills to organizing and planning effective SkillsUSA chapter activities.

SkillsUSA Washington Leadership Training Institute: SkillsUSA state officers, four advisors, and one local CTE administrator traveled to Washington, D.C. for SkillsUSA's Washington Leadership Training Institute where the students built skills in communication, professionalism, and leadership. Among training and touring, students were able to lay a wreath at the tomb of the unknown soldier, 9/11 memorial, held a CTE rally on Capitol Hill, and met with six congressional representatives, including two U.S. senators.

Oscar Carter – STS Director

- Working with the state Fire Fighters Organization to develop a transition plan for the new state regulations
- Presented both in State and at the Best Practices in Tucson, Arizona on Registered Youth Apprenticeships
- Assisted with the Perkins V Plan
- Worked with Joey to set up and launch the 5 Instructional Coaches for Skilled Technical Sciences. Utilizing the Frameworks from SkillsUSA as our curriculum this year.
- Working with Cisco to implement the new Student Level Credential for CCNA 1 and 2
- Presented on Career and Technical Education at the Elevate Conference in St. Louis
- Met with the MTTA Executive Committee to plan for MOACTE 2020.
- Started a Pilot with Missouri Corrections to add Corrections Officer 1 training in our Criminal Justice Programs and to set up a talent pipeline so our students can take advantage on the many job openings in Corrections.
- Working with DESE to add a Teaching Credential and program in Waste Water Management and Recycling Technology
- Planning our breakout sessions at ACTE conference in Anaheim for the Law and Public Safety Education Network.

Starting work with UCM to develop a 9th and 10th grade class in the Cluster of Manufacturing, Transportation and Logistics, and Architecture and Construction.

Asked to serve on the Missouri Math Pathways Taskforce

Collaborating with Department of Higher Education and the Office of Apprenticeship and Work based Learning to develop a Play Book to guide schools in implementation of Registered Youth and Adult Apprenticeship programs.

Working with schools as needed to implement Registered Youth Apprenticeship Programs

Worked with Ken to complete or Summer Custodial Workshops with collaboration with the Missouri School Plant Managers.

Family Consumer Sciences and Human Services Update

New Teacher Institute (NTI) was held in Columbia, MO, July 28-31, and Director Theresa Struempf presented information on advisory committees during resource sessions. The Family Consumer Sciences CTE Mentoring Program was excited to have 22 protégés enrolled. The first mentor/protégé meeting was held in Jefferson City on September 20, where the group was surprised with a visit from Governor Mike Parson! The second meeting will take place on November 22. We are looking into the possibility of our Mentoring Program to qualify for the BTAP in the future.

After months of planning and preparation, we are pleased to offer several professional development opportunities for FCSHS teachers this school year. Registration information was released early in August, and some of the topics covered are career pathways for the teaching profession, interior design basics, dealing with food allergens, fashion design, using 3D interior design software, pattern alterations and advanced sewing methods, and diet fads and health.

Hospitality and Tourism Management Program (HTMP) and Guest Service Gold (GSG) training was held at Margaritaville Resort October 3-7 for FCSHS teachers. The American Hotel and Lodging Educational Institute conducts this training. School districts that currently have this Program of Study, or are looking to including it in the future, attend this training.

As part of her duties as cluster leader for hospitality and tourism, Linda Stinson facilitated hospitality and tourism workshops at SYSCO in Olathe, KS, and US Foods in St. Louis, MO on October 10 and 15 respectively. Several ProStart instructors attended these events.

Much time has been spent collaborating with OCCR colleagues, as well as with stakeholders outside of DESE, to help prepare the State Plan for Perkins V. Missouri receives about \$22 million a year under the Perkins V Act to support career and technical education programs across the state, which is extremely important for our Department, our school districts, and our students.

FCCLA held their first Chapter Adviser Summit in Springfield, MO. It was well attended and the group received good feedback on the content. One of the goals of FCCLA this school year is to develop a strategic plan to help grow the organization, as well as plan activities that have the most benefits for both chapters and members. There are many changes to FCCLA STAR Events Guidelines for this year, and we are excited to add Baking and Pastry to the competition lineup this spring.

LifeSmarts online state competition is up and going and it ends November 2. The top teams advancing to face-to-face state competition that will be held December 3-4 in Jefferson City will then be notified.

Engineering and Technology Education Update

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Engineering and Technology Education Programming:

Byekwaso attended the **New Teacher Instituted** on the last day of their training to present on the opportunities available for them with the Career Technical Student Organizations (CTSO). Joey Baker – SkillsUSA Supervisor and I took turns sharing with the new teachers about the positive experiences that we had as CTE students who participated in CTSOs.

PLTW & DESE:

DESE has built a strong relationship with the PLTW organization and many Missourians are benefiting from the programming that they offer to many students and teachers. Through the month of September, I got to travel across the state with representatives from PLTW providing workshops to District Coordinators. Below is a list of areas traveled to and the type of presentations we conducted:

- St. Louis Area PLTW Coordinators Meeting (Four Rivers Career Center - September 5) – Coordinators got a chance to learn about the various trainings available for teachers from their school districts as well as updates from PLTW.
- SW Program Coordinator’s meeting (Lebanon Technology and Career Center – September 10)
- Central Missouri District Coordinator Meeting (Columbia Career Center – September 24)
- Northwest Grant Writing Workshop (Park University –September 25)
- Southwest Grant Writing Workshop (Springfield Public Schools – September 27)
- Southeast PLTW Coordinator Meeting (Cape Girardeau – October 1)

During these workshops, rural school districts had an opportunity to learn about the various grants available through DESE, PLTW, and business and industry to support their Engineering, biomedical sciences and computer sciences.

TSA UPDATE:

During the State Officer Training this summer, Byekwaso Gilbert, TSA State Advisor challenged the officers to come up with more ways to engage, equip, and empower the Missouri TSA members. The officers decided to offer a one-day leadership development conference to our members. Students were able to hold two (2) Regional Fall Leadership Conferences this fall at the Ozark Technical College – Springfield (September 10) and at the University of Central Missouri (September 17). The survey conducted afterwards indicated that schools would like to continue this model to give their students more opportunities for leadership. Missouri TSA Staff have been hard at work preparing for the upcoming statewide Fall Leadership Conference at Missouri S&T on October 20-22, 2019,

International Technology and Engineering Educators Association (ITEEA) – provides curriculum for the Engineering by Design for many our Missouri schools especially those in the rural areas. ITEEA is instrumental in helping us promote technological literacy for Missouri students by supporting the teaching of technology and engineering and promoting the professionalism of those engaged in these pursuits. I have had several meetings with ITEEA trying to find ways of helping our Missouri Rural Schools become more engaged in technological literacy. And one of the ways is to give teachers more access to the ITEEA curriculum. Currently, we have 300 teachers who are using the curriculum.

Finally, I want to recognize and thank all of my fellow staff members, dedicated advisors and students who relentlessly pursue excellence and for their continued support in this new position.

Submitted by ***Byekwaso Gilbert - Director***