

Roger Barnes, CTE Coordinator
CTE Advisory Council – July 20, 2020

Perkins V Update

DESE received notice from the US Department of Education that the new state plan has been approved. Grant recipients were notified of their allocations in mid-May. Perkins V Grant recipients submitted their application and budget by July 1 to DESE. To date all applications and budgets have been received and approved with the exception of one who is still working on their Comprehensive Local Needs Assessment (CLNA). Per federal guidelines, the CLNA is to be completed before the application is completed as the application is to be aligned with the CLNA and a budget for the grant funds is to be aligned with the application. The Perkins V grant equates to approximately \$25 Million which will be allocated to 57 area career centers, 16 Post Secondary institutions, and 35 stand-alone school districts and a charter school.

CTE Certificate

Members of the senior class of 2021 will be the first eligible to receive the CTE Certificate. We will send information out around the start of school regarding the CTE Certificate on how schools can obtain the certificate and ready them for their students. As for now we plan on having the document in a downloadable form for schools from the DESE website.

Career Pathways for the Teaching Profession

On June 17, 2020, State CTE Advisory Council members Raghiv Muhammad and Dave Rockers and I, through a Zoom conference, discussed the Career Pathways for the Teaching Profession. Issues had been raised by various schools regarding the course. Currently the course requires the instructor to be certified in the area of Family Consumer Science & Human Services (FCS & HS). Some schools would like for other instructors, CTE or non-CTE, instructors to teach the course. The course was designed and funded through the Missouri FCS & HS section, thus the reason for the FCS & HS certification. After our discussion, all agreed that if schools teach the course and want CTE credit and the opportunity for CTE funding, then the instructor must be FCS & HS certified. If a school wants to teach the course by a non-FCS & HS certified instructor, then the course must be coded as a *Miscellaneous* course and will not be qualified for CTE funding. As part of the CTE program requirements, the course requires the students have the opportunity to join a Career and Technical Student Organization (CTSO). The CTSO for the Career Pathways for the Teaching Profession is the Family Career and Community Leaders of America (FCCLA) or Educators Rising.

AGRICULTURE, FOOD & NATURAL RESOURCES

Leon Busdieker, Director
CTE Advisory Council – July 20, 2020

Staff

Ag Ed staff are in the Jefferson building Monday and Tuesday and working from home the rest of the week.

AG ED/FFA Event Updates

State FFA Convention 2020 was delivered using a virtual platform the week of June 15th. The convention included; State Officer retiring addresses, recognition of outstanding FFA members and chapters, honoring FFA supporters, chartering new chapters, new officer installation and awarding State Degrees.

New State FFA Officers have completed their initial officer training using a virtual format.

FFA LEAD Conferences (Learn-Educate-Advance-Develop) for FFA Chapter Officers has been converted to a virtual training program that can be used by schools for local FFA officer training later in the year. The LEAD program is designed to assist officer teams in; developing chapter goals, setting code of conduct expectations, planning a program of activities and working together as a team.

Show-Me Summit: Missouri FFA's newly developed Virtual Leadership Experience is made up of six core leadership development workshops, hosted by the 2020-2021 Missouri FFA State Officer Team, on concepts like individuality, intentional leadership, teamwork, taking action, Missouri agriculture, and grit and resilience. These topics encapsulate the overarching concepts taught in the elective leadership sessions that typically happen at FFA Camp. Workshops and bonus materials will be released in phases on missouriffa.org. The first phase was released July 1, and additional phases are scheduled to roll out on July 15 and July 29.

Area FFA Officer Institute is currently being transitioned to a virtual training program that can be used by schools for officer training later in the year. Identifying Strengths, Team Building, Leadership and Communication Skills for Area FFA Officers will be the focus.

HYMAX Academy (Helping Youth to Maximize their Agricultural Experience) was rolled out in June and will run through the rest of the summer. Every Monday evening from 6-7 participants zoom with Ag Business and Industry professionals. Twice each week small groups of students zoom with small group leaders to work on communication skills while working to becoming advocates for agriculture.

FFA Career Development Events and Leadership Development Events are being transitioned to a virtual platform to be held later this summer.

BMIT

Business,
Marketing, and
Information Technology

BMIT ADVISORY COMMITTEE

Jonathan Walker	Kirksville Area Technical Center
Amy Belding	Parkway
Nadine Freedline	Francis Howell High
Charles Miller	De Soto High School
Lisa Perkins	Humansville High School
Robin Robertson	Republic High School/Launch
Jessica Wade	Odessa High School
Butch Endicott	Polo High School
Stefanie Klamm	Hazelwood West
Kristin Wilkey	Jefferson High School
Zachary Johnson	Lee's Summit North High School
Larry Anders	Francis Howell High School
Nicole Thurman	Lee's Summit North High School
Amanda Harvey	Smith-Cotton High School
Janell Allred	Retired
Dave Hickman	Central Methodist
Shelly McVay	William Jewell College
Stu Dunlop	Missouri Southern State University

Meeting was held in March of 2020. Plan to meet twice per year.

DECA

State Career Development and Fall Leadership Conferences were cancelled. A virtual State Officer election was held during the planned state conference. State Officer Training was held July 9-10. DECA is creating a weekly delivery of online content for teachers to access first semester. These lessons will include 'keynote speakers' videos just as they would have attended at Fall Conference for breakout sessions. The State Officer Team will deliver introductions and Chapter Challenges for these lessons.

FBLA-PBL

Missouri FBLA-PBL converted their State Leadership Conference to a virtual format, allowing nearly 3,500 students to take part in intra-curricular competitive events. Over 300 of Missouri's top students advanced to the National Leadership Experience, a virtual conference with over 11,000 attendees, to compete against the best of the best in the world. Remaining summer activities are cancelled and activities for the fall are being converted for delivery by educators in the classroom.

NEW COURSE

- Cybersecurity is the body of technologies, processes, and practices designed to protect networks, computers, and data from attack, damage, and unauthorized access. Cybersecurity teaches students to spot vulnerabilities, fend off attacks, and immediately respond to emergencies.

50/50 FUNDING

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

- Over \$1.4 million in requests.

2018-2019 ENROLLMENT

- **Secondary CTE:** 300,079*
- **Secondary Business:** 108,709*
- **Secondary Marketing:** 16,203*

**Duplicated count*

2019-2020 CONCENTRATORS

- **Business, Management and Administration:** 3241
- **Finance:** 852
- **Information Technology:** 3119
- **Marketing:** 1766

Civil Rights Compliance

Gavin Allan, Director of Civil Rights Compliance and MOA Coordinator
CTE Advisory Council Meeting –July 20, 2020

CURRENT ACTIVITIES

Two major projects this past month:

1. Writing and submitting the Method of Procedures document for the Office for Civil Rights, U.S. Department of Education

The Office for Civil Rights, U.S. Department of Education (OCR) required states to submit a Methods of Procedures (MOP) document by July 1, 2020 to outline how DESE will prevent and eliminate unlawful discrimination from local CTE programs through the Methods of Administration program that I administer. This was the first re-write of the MOP document since originally submitted to OCR in 1979. The MOP describes specifically the process that DESE will follow to satisfy the requirements in the [“Vocational Education Programs Guidelines for Eliminating Discrimination and Denial of Services on the Basis of Race, Color, National Origin, Sex, and Handicap”](#) (34 CFR Part 100 Appendix B).

I received approval for the document from both Blaine Henningsen, Assistant Commissioner, as well as Margie Vandeven, Commissioner of Education before sending it to OCR. OCR will respond with their approval or recommendations for improvement, if any, in the next months.

2. Pandemic Electronic Benefit Transfer (P-EBT)

I served on a team of Department personnel who reviewed and approved applications for a Pandemic Electronic Benefit Transfer of up to \$302 for each K-12 child in families eligible for food stamps / Supplemental Nutrition Assistance Program (SNAP). DESE’s role was to verify eligibility in the program, and then send the names of the approved applicants to the Department of Social Services for payment. DESE staff processed over 80,000 applications since May 28.

Data Section

Janice Rehak, Coordinator
Hollie Sheller, Data Accountability Manager
CTE Advisory Council – July 20, 2020

Data calculations for School Districts funding

- CTE Base Funding for Adult - MOSIS 2020 Adult Perkins Course Assignment file (\$4,200,000)
- CTE Base Funding for Postsecondary - MOSIS 2020 Adult Perkins Course Assignment file (\$4,000,000)
- CTE Base Funding for Comprehensive High Schools - MOSIS 2019 October Educator, 2019 June Student Course Completion and 2019 Teacher Certification files (\$4,000,000) (Area Career Centers are on the third year of the three-year average)
- CTE Performance Funding for Area Career Centers and Comprehensive High Schools – MOSIS 2020 February Graduate Follow-up file. (\$5,000,000 for Area Career Centers) and (\$1,000,000 for Comprehensive High Schools)

Transition from Perkins IV to Perkins V

- Created guidance/help documents and provided them on DESE's website for LEAs to use. These documents provide definitions and other guidance on Perkins V data reporting
- Weekly meetings between OA IT and DESE data staff (Project Level was DESE's Priority)
- Created queries from the data elements used to aggregate the data
- Reviewed scripts written by IT for the data tables (Over 60 different tables)
- Created mock-up reports to be used on DESE's Data Portal
- Reviewed created reports for accuracy of data being presented on the reports from the tables (Over 60 reports, public reports are suppressed under 5 and unsuppressed reports are now only reviewed through login on DESE's Web Applications)
- Testing of published reports

Summary of the work from Perkins IV to Perkins V

During the summer of 2019 the CTE team in the Office of College and Career Readiness completed a Statement of Work that outlined the scope of the project for the transition of Perkins IV to Perkins V. The CTE data team collaborated with the Office of Data System Management, the Office of Quality Schools and the Office of Administration IT in order to review the details and specifications of the project. During this time the following were created: new data tables, new stored procedures and process documentation, and new reports for the data portal. Along the way the CTE data team needed clarification on the new stored procedures for the Academic Proficiency Core Indicators. The Office of Quality Schools provided their assistance and reviewed stored procedures/scripts for accuracy. Throughout the duration of the project we had weekly meetings to stay on task and identify any problems or issues that would arise. In addition, there was a multitude of testing to ensure the data was flowing properly into the new data tables and then flowing into the proper fields in the reports on the data portal. In order to stay on target with our timeline we stayed in constant communication with all offices involved in the work. It was a great team effort getting everything completed accurately and timely.

P-EBT Project

- Mike Griggs had 36 Hours on the project
- Hollie Sheller had 12 hours on the project

Engineering and Technology Education Update

Byewasko Gilbert, director

CTE Advisory Committee Meeting – July 20, 2020

Engineering and Technology Education Programming:

COVID19 has taught us how critical the use of technology is so important in our lives. We have discovered that regardless of the career aspirations of each student, we all need to achieve technological literacy in order for us to stay competitive in the global market. Missouri's Technology and Engineering profession affirms that its programs should teach about technology and use technology in a way that serves as a vehicle to build understanding, skills, and attitudes that can be applied to society in general. It is exciting to know that there is a major awareness now that access to technology must be a priority for each student, whether they are in the urban, suburban or rural area. And with the increasing presence in our lives, students from kindergarten to twelfth grade should be involved with learning about and learning to use technology- and this is what the engineering and technology education strives to achieve.

PLTW & DESE

PLTW is currently in full swing providing training to new teachers who will be teaching engineering and computer science courses to K-12 students across Missouri. Students enrolled in engineering and technology courses has been on the rise. When it comes to Computer Science enrollment, Missouri ranks 4th behind states such as California, Texas, and Indiana where PLTW is headquartered.

TSA UPDATE

Missouri TSA Virtually Elected its 2020-2021 State Officer Team. Members of the team come from Sullivan High School, North Kansas High School, Willard High School, Troy Buchanan High School and Carl Junction High School.

Since their election, members of the team have been meeting weekly through zoom to receive training as well as put together the Program of Work for this upcoming school year.

Louis Breinin, instructor at North Kansas City High School was recognized as the 2020 Local High School Advisor of the Year by National TSA during the Virtual National TSA Appreciation.

Marsha McCorkle, instructor at Carl Junction Middle School was also recognized as the 2020 Local Middle School Advisor of the Year by National TSA.

International Technology and Engineering Educators Association (ITEEA)

ITEEA has released its *Standards for Technological and Engineering Literacy (STEL)* provides an up-to-date road map for classroom teachers, district supervisors, state supervisors, states, and curriculum developers to promote technology and engineering education program development and curriculum design from Pre-K through twelfth grade. These standards include crosswalks of the *STEL* benchmarks with benchmarks from science, mathematics and English language arts; benchmark verbs matched to the Domains of Learning and Revised Bloom's taxonomy; and benchmarks collated by grade band as compendiums.

FAMILY CONSUMER SCIENCES AND HUMAN SERVICES

**Theresa Struempf, Director
CTE Advisory Council – July 20, 2020**

Family Consumer Sciences & Human Services staff has been gradually transitioning back into the Jefferson Building during June and July. Several virtual meetings with staff members, MoEFACS board members, FCSHS advisory council members and FCCLA advisers and officers have been held during the past two months. Much time was spent reviewing program approval applications as well as 50/50 grant applications and the accompanying FV4s. The FCSHS mentoring program was approved and content advisors are making plans for in-person as well as virtual meetings if needed.

DESE staff members have been working with MOACTE/MOEFACS to make sure the summer conference is a great experience for our teachers. Several professional development opportunities for FCSHS teachers are being planned for the 2020-21 school year through the University of Central Missouri, Missouri State University, and College of the Ozarks.

The University of Central Missouri and DESE are working together to establish curriculum workgroups comprised of FCSHS professionals to develop scope and sequence documents, pacing guides, and sample projects for some of our courses. These groups will review standards, and determine "big ideas" for each course.

FCCLA National Leadership Conference was held virtually July 7-9. This online platform blended virtual reality and gamification technology to transform FCCLA's National Leadership Conference into a dynamic, "on-demand" virtual experience. In transitioning to an online conference, keynote speakers, breakout sessions, EXPO, Competitive Events, networking opportunities, and more shifted to a virtual platform to continue to provide students with the Ultimate Leadership Experience they anxiously anticipate and prepare for all year. All registered participants can view the conference content through September 11, 2020. Missouri had 300 registered participants, with 181 members competing. These competitors brought home 66 Gold, 93 Silver, and 11 Bronze medals.

We were unable to hold FCCLA officer training in July. There are plans to meet this fall. The FCCLA Fall Leadership Conference is moving to a virtual platform with the details still being determined.

Health Science Education
Shelly Wehmeyer, director
CTE Advisory Council Meeting – July 20, 2020

RECENT ACTIVITIES AND EVENTS

Shelly Wehmeyer became a committee member of the **Justice Reinvestment Initiative Behavioral Health Workforce Development Group** (met virtually on May 26, 2020 and July 8, 2020), along with assisting with feedback for the **Mental Health Toolkit** (met virtually on June 12, 2020). Work within both groups have begun since the last CTE Advisory Council Meeting held in May.

As the new Chair-Elect for the **National Consortium for Health Science Education (NCHSE)**, Shelly Wehmeyer's recent work has focused on transitioning the upcoming fall in-person annual conference to a virtual platform. For more information, please visit <https://www.healthscienceconsortium.org/>.

As a **Governor's Organ Donation Advisory Committee** member, Shelly Wehmeyer also serves on the High School Education Project subcommittee (met on June 25, 2020). This subcommittee has been developing a tool called, "Learn Life Savers". For additional information, please visit <https://www.giftdonor.org/programs/life-savers/>. The subcommittee will be reaching out to school districts to set up in-person presentations for local school boards.

The **Secondary Health Science I and II Program Model and Structural Framework** was completed, and next steps include the development of sample resources for educators. Committee work has transitioned to virtual meetings.

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

- **MoACTE/MHSE Board Meeting:** Met on June 4, 2020.
- **IRC Review Committee:** Met on June 9, 2020.
- **Missouri Hospital Association Central Missouri Health Care HPOG Human Resource Committee:** Met on June 25, 2020.
- **Governor's Organ Donation Advisory Committee (GODAC):** Met on July 9, 2020.

HOSA UPDATE

Shelly Wehmeyer serves as the Missouri HOSA State Advisor. The **HOSA Virtual International Leadership Conference** was held on June 22-27, 2020. Missouri HOSA had a total of 298 participants from 46 Missouri HOSA chapters competed in sixty-one (61) competitive and five (5) recognition events and 41 individuals placed in the top 10, along with an additional eighty-three (83) individuals and chapters being recognized for their service and leadership. For full details, please visit <https://www.missourihosa.org/ilc>.

Shelly Wehmeyer recently joined the HOSA Capital Campaign and Building Fund Task Force. The first meeting was held on June 10, 2020.

The Missouri HOSA 2020-2021 State Officer Team will meet for training on July 15-17, 2020.

Skilled Technical Science

Dr. Oscar Carter, director
CTE Advisory Council – July 20, 2020

REMOTE TELEWORKING

Our team continues to meet weekly by Zoom. We are utilizing Trello, to keep on track of major projects.

SKILLSUSA UPDATE

- State SkillsUSA Officer Kick Off Zoom meeting was June 22
- National SkillsUSA Leverage Training for our State Officers started June 29
- Fall Leadership Conference at the Oasis in Springfield October 26-28
- Kelli Engelbrecht from Eldon will be our Instructional Coach for Missouri
- UCM is contracted to produce our 9th and 10th Grade Curriculum, Launch date MOACTE 2021
- We are currently interviewing for a replacement for the SkillsUSA Supervisor position.

SUMMER PLANS FOR SECTION

- MTTA decided to go Virtual for MOACTE conference.
- MTTA will update their Bylaws at MOACTE

MAJOR PROJECTS COMPLETED

- STS Website revised
- STS Program by Cluster Document
- STS Program Descriptions

NEW PROGRAM APPROVALS FOR 2021

Added 10 new programs including expansion for Building Trades to 9th and 10th Grades.

Construction Trades- 4

Machinist- 2

IT- 2

Manufacturing – 1

Welding – 1

Janice Rehak, coordinator
CTE Advisory Council-July 20, 2020

Enhancement Grant

The Enhancement Grant is required by statute. The grant is intended to provide funding for equipment and materials and supplies to high schools, career centers and community colleges for programs and courses in high-demand occupational fields. The high-demand occupational areas are determined annually by the Department of Economic Development.

164 grants submitted

- Six late submissions or incorrect application used
- Three grants reviewed and not funded
- 155 grants funded

\$15,000,000.00 budget for FY21

- \$23,219,613.03 in initial requests; reduced to \$20,764,953.86 after review
- Funded \$15,781,364.94 (\$781,364.94 over budget)
- \$9,444,628.83 distributed to 142 high schools or career centers; \$6,336,736.11 distributed to 13 community colleges

24% across-the-board cut for all Enhancement Grants

- Three-year history of across-the-board cuts:
FY21 24%
FY20 20.7%
FY19 10.5%

Technical Centers That Work (TCTW) Grant

TCTW is a school improvement program offered by the Southern Regional Education Board. Missouri has been utilizing and funding this program for at least ten years. Based on the ten key practices of creating a culture of high expectations in every classroom, ensure each student a personalized program of study that leads to postsecondary and career success, content taught through the lens of real-world problems and projects, equitable access to high-quality career pathways, use of research-based instructional practices to engage each student, provide teams of teachers with training, time and support to work together to improve instruction, real-world learning experiences, guidance and advisement that empower students to pursue a full range of career and college options after high school, extra help and accelerated learning strategies for students, and continuously using data to identify and solve problems. The grant provides funding to career centers to review their programs and practices with the assistance of an on-site review conducted by SREB staff, DESE staff, and peers, develop a plan of action and implement the plan of action. It is a five-year grant and schools may reapply after five years if they partner with a sending school or community college. We budget for up to six new grants per year.

We are currently funding 16 career centers for a total of \$284,375.00. Grant amounts are staggered during the five-year cycle, but each recipient receives a total grant package of \$84,375.00. The primary use of these funds is to provide professional development to faculty. Although three districts submitted grants to begin in FY21, they were not funded due to COVID-19 issues. DESE plans to fund these grants beginning in FY22.

**Janice Rehak, coordinator
CTE Advisory Council-July 20, 2020**

IRC/Stackable Credential Review

The Department began identifying industry recognized credentials (IRCs) beginning in 2012 and has been annually reviewing the approved list of IRCs for high school students since 2014. Missouri public school administrators must submit an application in the spring of each year. A team of experienced career and technical educators representing comprehensive high schools as well as career centers convene annually to review and make recommendations on those credentials to be added, or removed, from the list of credentials.