



CAREER and TECHNICAL EDUCATION UPDATE October 1, 2017

2017-2018 Perkins Grant Approval Reminder

The CTE Division of the OPI reminds all districts intending to submit a 2017-2018 Perkins grant application to please obtain **final OPI approval** of your initial Perkins application through the E-Grants system no later than **Tuesday, October 31, 2017**.

Only the initial/original application is subject to this deadline. Amendments to your approved Perkins application can occur after the October date. If you have questions regarding the status of your Perkins grant application, please contact any of the following CTE Division staff:

Shannon Boswell —phone: 406.444.4451; email: Shannon.boswell@mt.gov
Renee Erlandsen—phone: 406.994.6986; email: rerlandsen@mt.gov
Christy Hendricks—phone: 406.444.9019; email: chendricks@mt.gov
Don Michalsky—phone: 406.444.4452; email: dmichalsky@mt.gov
Eric Swenson—phone: 406.444.7991; email: eswenson@mt.gov
Megan Vincent—phone: 406.444.3599; email: mvincent2@mt.gov

NEW CTE Professionals Workshop—October 18 in Fairmont!

Professional Development Designed Specifically for those New to the CTE Classroom

The Office of Public Instruction's Career and Technical Education Specialists will be conducting a **New CTE Professionals Workshop** on Wednesday, October 18, at Fairmont Hot Springs, prior to the start of the 2017 Montana ACTE Institute.

The New CTE Professionals Workshop is a **FREE** professional development opportunity designed specifically for Career & Technical Education professionals in their first, second, or third year in the classroom or for those teachers new to Career & Technical Education in Montana.

This professional development opportunity will provide teachers who are new to the classroom, as well as those with less than four years of experience, with information on a variety of topics essential for success in the career and technical education classroom including

--Perkins funding,



- State CTE funding,
- Advisory boards,
- Professional development,
- Professional organizations,
- Montana's Career Pathways Initiative and the Development of Statewide Pathways
- CTE and program-area standards and guidelines, and
- Career & Technical Student Organizations.

The workshop will be held at Fairmont Hot Springs ([1500 Fairmont Road, Anaconda](#)) from 8 am to 4 pm. The training is free of charge and lunch will be provided for attendees. Up to six (6) OPI Renewal Units will be offered. Attendees are responsible for their own travel and substitutes.

Additional details about the New CTE Professionals Workshop, including a schedule of events, are currently posted on the CTE page of the OPI website under the **CTE Updates** heading and can be downloaded via the following link:

http://opi.mt.gov/Portals/182/Page%20Files/Career%20%26%20Technical%20Education/Docs/2017_new_cte_professionals_workshop_flyer.pdf

Registration for the 2017 New CTE Professionals Workshop can be completed and submitted online at <https://www.surveymonkey.com/r/B92N6VV>. **The deadline to register is Monday, October 2.**

Please note, registration for the 2017 New CTE Professionals Workshop does not also include the Montana ACTE Institute. Registration for the Montana ACTE Institute must be submitted separately. Montana ACTE Fall Institute registration details can be found at <http://montanaacte.org/prodevel.shtml>.

For registration assistance or for more information, please contact the appropriate CTE program specialist:

Agriculture Education: Shannon Boswell, Shannon.boswell@mt.gov, 406.444.4451

Business Education: Eric Swenson, eswenson@mt.gov, 406.444.7991

Family & Consumer Sciences Education: Megan Vincent, mvincent2@mt.gov, 406.444.3599

Health Sciences Education: Renee Harris, rharris2@mt.gov, 406.444.994.6986.

Industrial Trades & Technology Education: Don Michalsky, dmichalsky@mt.gov, 406.444.4452

Fall 2017 CTE Data Collection BEGINS

The Fall 2017 CTE Data Collection begins on October 1 and ends December 31, 2017. The Fall CTE Data Collection is a follow up to last year's Spring CTE Data



Collection. Students identified as CTE Concentrators last year (2016-2017) and graduated in the spring of 2017 should be contacted between October 1 and December 31 and asked their current post-graduation status. After contact, the appropriate post-graduation status code must be entered into the AIM/Infinite Campus data system for each CTE Concentrator. All high schools that received funding from the Carl D. Perkins federal grant program in 2016-2017 are required to complete this fall follow up collection to maintain their eligibility to receive Perkins funding.

Instructions for completing the Fall CTE Data Collection--called the '*Quick Reference Guide*' for the Fall CTE Data Collection--are located in two places on the OPI website: on the AIM web page under the AIM User Guides button and also on the CTE web page under the '**Data Collections**' button.

PLEASE NOTE: Be sure to verify the list of CTE Concentrators from what your district submitted last spring. Any additions, corrections, or changes to the list of CTE Concentrators must be made no later than **November 15, 2017**, to be accurately reflected in federal reporting and used to compute Perkins Performance Indicators for your school.

Technical AIM questions regarding the Fall CTE Data Collection should be directed to the AIM Helpdesk at 1.877.424.6881 (toll-free) or email opiainhelp@mt.gov. Questions regarding the Carl D. Perkins federal grant program data requirements should be directed to Christy Hendricks, CTE/Perkins Data Control Specialist at 406.444.9019 or email chendricks@mt.gov.

U.S. Presidential Scholars Program

The U.S. Presidential Scholars Program was established in 1964, by executive order of the President, to recognize and honor some of our nation's most distinguished graduating high school seniors. In 1979, the program was extended to recognize students who demonstrate exceptional talent in the visual, creative and performing arts. In 2015, the program was again extended to recognize students who demonstrate ability and accomplishment in career and technical education fields. Each year, up to 161 students are named as Presidential Scholars, one of the nation's highest honors for high school students.

For more information on the U.S. Presidential Scholars Program please visit <http://opi.mt.gov/Educators/Teaching-Learning/Career-Technical-Education/US-Presidential-Scholars-Program>



The VariQuest tools give educators and students everything they need to succeed in their business and career pathways. Successfully transitioning from secondary education to a career or college is critical. With VariQuest Visual & Kinesthetic Learning Tools, students are able to develop and hone the skills they need to succeed in the 21st century economy.

By integrating meaningful visuals and hands-on learning, VariQuest enhances all 16 Career Clusters: highlighting Business Management & Administration; Education & Training; Marketing; Human Services; and Science, Technology, Engineering & Mathematics. Apply real-world skills for your school by setting up a student-based enterprise. Supply the items that are in demand for students, staff, parents, and the community – all while raising funds for your school! Enhance the professional quality of your competition presentations by using VariQuest tools.

VariQuest is a great way to use your Carl D. Perkins and/or State VoEd Funding. For more information about using your Carl Perkins monies please click [here](#).

Please reach out directly to Heidi Wolff, VariQuest Education Consultant for Montana, to schedule a complimentary presentation of their tools. She can be reached at heidi_wolff@variquest.com. Or visit their website to learn more: [**VariQuest Visual & Kinesthetic Learning Tools**](#)

Agriculture, Food and Natural Resources

October CTE Ag Update

It is hard to believe that fall is here, the past few weeks have been busy with travel as I have gotten out of the office and had a chance to meet and work with many of the great agriculture teachers in Montana. Traveling along with the State FFA Officers, Advisor and FFA Foundation was a great way to meet many teachers and discuss the issues facing you. From the two weeks of DLS, we jumped right into a few events in Bozeman at MSU's campus. Working with the Ag Ed faculty at MSU and MAAE we were able to hold our first Tagged to Teach Ag Event on September 21, 2017. We have thirteen motivated high school students that spent the day participating in lessons that the college students presented. They were shown how to teach the lesson and given some of the materials needed to be able to go back to their home communities and teach lessons. The students also got to spend time with Ben Thomas, Director of Montana's Department of Agriculture as well as crowd favorite, Champ! They shared some great ideas for next year's event and left excited about their opportunity to Teach Ag.

Following up those enthusiastic teens the next day we held an Early Career Teacher Program, for all agriculture teachers with five years or less of experience in Montana. We were able to meet with sixteen teachers and spent the day discussing their concerns. We covered topics about funding, advisor committees, state and national reports, curriculum, mentoring, and building relationships. It was great to have them all together and learn about their programs and individual opportunities. We look forward to following up at MACTE in October with them. We have twenty-seven early career



teachers, I encourage you to take a few minutes and reach out to them, make them feel welcome to the Montana Ag Ed Family.

October brings about so many great opportunities for students and teachers alike. I know many of you will be attending NILE on October 6th. I look forward to seeing many of you at the MACTE Fall Conference October 19-20th. We will be talking about pathways, looking more at the FFA Roster, as well as handing out the Essentials Document for you to help market your programs. From there I know many will be traveling to Indianapolis, Indiana to participate in the National FFA Convection October 25-28. I hope that you find some time at convention to take a few minutes for you and participate in some of the teacher workshops, I recommend taking in a DuPont workshop but there are many for you to choose from. Here is the link, take a few minutes to recharge your batteries too! <https://goo.gl/MW6hj4>

As always, please do not hesitate to call or email me, if you have questions I am here to help. It has been a pleasure getting to connect so many faces and names- I look forward to seeing you more over the coming month. Keep up the great work you are doing for our agricultural students in Montana.



GO BOBCATS!!!!

Shannon Boswell

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FFA



Montana FFA kicked off the 2017-18 school year with District Leadership Schools (DLS). State officers Sheridan Johnson, John Power, Shelby Morris, and Abbey Dunn traveled to the east side of the state, September 5th - 8th. They conducted leadership activities in the Big Muddy district hosted by Culbertson, the Eastern district in Broadus, the Southeastern district in Huntley, and the Southern district in Laurel. During the week of September 11th, state officers Kelsey Kraft, Jessica Horan, Seth Rekdal, and Mikayla Comes traveled the west side of the state. Officers visited the Judith Basin District where the conference was hosted by Hobson, the Glacier District in Chester, the Western District in Missoula, and the Southwestern district in Livingston.

Workshops for the chapter members, which included chapter officer teams, as well as regular junior and senior members had the opportunity to learn about the overall idea of “Reaching Our Peak”. The workshop included learning about individual strengths, effective communication, and overcoming obstacles. Knowing your strengths and how to overcome weaknesses was a key focus in the workshop. We trust that having these skills in life will help members be successful in the future.

Workshops for the greenhand members, which included middle schoolers, freshman, and first year FFA members, had the opportunity to learn about building relationships. Within FFA, members develop friendships that may last a lifetime. The officer team believed this would be an important aspect to incorporate for this younger group. The building relationship workshop included building trust, communication, and understanding the diversity in people.

Overall, DLS was a great learning experience for everyone that attended. FFA members made memories, friendships, and learned about leadership. FFA advisors held their own meetings during DLS to discuss upcoming events and new programs being implemented by the state and national organizations.

Upcoming activities for Montana FFA members include NILE on October 6th, National FFA Convention in Indianapolis, October 25th -28th, and John Deere Ag Expo in Bozeman, November 9th -11th.

FFA information submitted by Montana FFA State Director, Jim Rose, phone: (406) 994-7050; Email: ffajrose@gmail.com.

Business Education

Updated Framework for Business Education in Montana & OPI TEAMS K-12 Course Codes and Descriptions Reference Manual for Business & Marketing Education Available



The [Framework for Business Education in Montana](#) has been updated for the 2017-2018 school year. Within the Framework, updates have been made to the competitive event crosswalks for Business Professionals of America and DECA. The updated crosswalks reflect updates and changes to the competitive event programs at the national level effective for the 2017-2018 school year.

The Framework for Business Education in Montana provides teachers with common guidance for curriculum development and course content development. Review and update work for the Framework for Business Education in Montana was by a committee Montana business education professionals representing all classifications of Montana High School as well as business education teacher program coordinators from the University of Montana and University of Montana Western and the State Directors for Business Professionals of America, Montana Association and Montana DECA.

The course information within the Framework is organized by Career Clusters with the Common Career Technical Core as the standards for each cluster. Additionally, course content is aligned to the *National Standards for Business Education* and is crosswalked to the *National Standards for Business Education* and to the competitive event programs for Business Professionals of America and DECA.

A complete PDF version of the Framework can be downloaded from the Business Education section of the Montana OPI website at opi.mt.gov/Educators/Teaching-Learning/Career-Technical-Education/Business-Education. If you would like to just download the BPA and DECA competitive event crosswalks, they can be downloaded at from the Business Education section of the Montana OPI website as well or directly at <https://goo.gl/6aAFKc>.

While on the [Business Education section](#) of the Montana OPI website, be sure to download the [Montana Business Education 2017-2018 Planning Calendar](#).

Also updated for the 2017-2018 school year is the [OPI TEAMS Current Listing of All Montana K-12 Course Codes and Descriptions Reference Manual for Business & Marketing Education](#). The Montana K-12 Course Codes and Descriptions are used for the reporting of course taught in all schools and at all grade levels via the OPI TEAMS school staffing system. Updates to this year's manual include the removal of duplicated courses to help streamline course identification and the removal of "other" courses and codes. Additionally, the manual includes a complete listing of Montana teacher licensure course codes.

Within TEAMS, all courses taught are identified and aligned to a national SCED Code with the local school course title listed as well as term type, enrollment numbers, and length of instruction. For Montana's Career & Technical Education programs, the TEAMS data is also used to generate the Montana CTE Student Participation Reports which are used to determine State CTE/VoEd funding allocations.

The [OPI TEAMS Current Listing of All Montana K-12 Course Codes and Descriptions](#)



[Reference Manual for Business & Marketing Education](http://opi.mt.gov/Portals/182/Page%20Files/Career%20%26%20Technical%20Education/Docs/Business/BusMrktEdCourseCodesUpdated20170928.pdf) can be download at <http://opi.mt.gov/Portals/182/Page%20Files/Career%20%26%20Technical%20Education/Docs/Business/BusMrktEdCourseCodesUpdated20170928.pdf>.

To assist teachers and administrators with mapping district courses to the OPI/SCED codes before the data is entered into TEAMS, a [TEAMS Participation Report Worksheet for Course Codes](#) worksheet is also available on the [Business Education section](#) of the Montana OPI website.

Additional information about the Framework for Business Education in Montana and the OPI TEAMS Current Listing of All Montana K-12 Course Codes and Descriptions Reference Manual for Business & Marketing Education will be presented during the [2017 Business Professionals of America, Montana Association Fall Leadership Conference](#), the [2017 New CTE Professionals Workshop](#) and the [2017 Montana ACTE Fall Institute](#).

If you have problems accessing any of the documents noted above, please contact Business Education Specialist Eric Swenson at eswenson@mt.gov.

Submitted by

Eric Swenson

Business Education Specialist

Office of Public Instruction

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Montana Business Professionals of America October 2017 Update

LOCAL ADVISOR CERTIFICATION PROGRAM - This is a six weekly training webinar offered by the national BPA staff. You can participate in courses individually, but you must complete all courses and assignments in order to satisfy the requirements for the Local Advisor Certification Designee. Log in at BPA.org, select membership tab, certifications and certified advisor to join in the webinars or link to <https://attendee.gotowebinar.com/register/2651744253613243649> Advisors who complete the training will assist Montana BPA in meeting the goals of the House Bill 86 funding grant. Professional Development Credit through Idaho State University is available. \$50.00 for 1 credit.



STATE OFFICER VISITS. One of the goals of our state officers is to be available to all of their members. If any of you would like to have one or two of them come visit with your chapter, Skype during a local meeting, be present at your regional competitions, whatever your needs are. Please let me know.

CHAPTER CHECK-IN - Something new for this year!!!! The state officer team has decided to forego the Buddy Chapter Letters and develop a "chapter check in"! This will be another method for the state officers to communicate with our MT BPA members. We need your help to get started. If you could have you members sign up (they all have to go into the link separately) the state officers will get this project going and start "Checking-in" Here is the link that can be sent out to begin gathering BPA members contact information. <https://goo.gl/forms/bysYPho3HWvJYAq83>

STUDENT CERTIFICATION SERIES begins October 3. Attached is the schedule of events. I encourage you to have ALL of you students complete this program.

REGISTER YOUR CHAPTER. Go to <https://www.registermychapter.com/bpamem/> State Dues are \$10.00 Increase of \$2.00 National Dues \$14.00 Increase of \$2.00 TOTAL DUES \$24.00 Early registration deadline is November 1, 2017. Final Deadline is February 15, 2018.

***Like us on Facebook--Business Professionals of America--Montana Association
Follow us on Instagram at BPAMT
Tweet us @Montana BPA
Add us on Snapchat @BPAMT***

Submitted by
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Montana DECA



Welcome to October, and SBE (School-Based Enterprise) month here at DECA. A School-Based enterprise is an entrepreneurial operation in a school setting that provides goods and services to meet the needs of the market. SBEs are managed and operated by students as hands-on learning laboratories that integrate National Curriculum Standards in marketing, finance, hospitality or management. SBEs provide realistic and practical learning experiences that reinforce classroom instruction. SBEs can sell to consumers through a permanent location, a mobile kiosk or through Internet



banners and more, while other SBEs provide services such as creative design, advertising sales and more. School-based enterprises are effective educational tools in helping to prepare students for the transition from school to work or college. For many students they provide the first work experience; for others, they provide an opportunity to build management, supervision and leadership skills. While some in the educational community have only recently discovered the value to school-based enterprises, educators and DECA Advisors have used them as a powerful teaching tool for more than four decades.

In addition to celebrating our School-Based Enterprises, members will begin participating in the DECA Stock Market Challenge and the wide variety of Virtual Business Challenges. Participants in the DECA Virtual Business Challenge (VBC) operate a web-based business simulation utilizing a competition version of the Virtual Business software. The VBC qualifying rounds are conducted via the internet, where participants post competition scores for chartered association, regional and overall rankings. DECA high school members will be able to participate in all seven tracks of this event (VBC Fashion, VBC Accounting, DECA Hotel Challenge, VBC Personal Finance, VBC Restaurant, VBC Retailing and VBC Sports). **BRAND NEW - We're adding VBC Fashion to the DECA VBC this year.** Each track encourages DECA members to test their skills within its particular Virtual Business environment – individually or as a team of up to 3 members. Team registration begins on Tuesday, October 10, 2017.

Participants in the SIFMA Foundation Stock Market Game develop and manage a virtual investment portfolio of stocks, bonds, and mutual funds. The Stock Market Game is conducted via the internet and allows DECA members to test their knowledge and skills against other DECA members in an online competition. Each participating team manages all aspects of the portfolio including asset selection, buying and selling. The goal of the competition is to increase the value of the portfolio. During the course of the Stock Market Game, participants will:

- develop investment strategies based on expectations of growth, diversification and stability
- attempt to avoid the pitfalls of market decline, mergers and overextension

For more information on DECA programs and events, or to start a chapter, visit us online at www.mtdeca.com. Have a great October.....see you all in November!
For more information, please contact John Stiles, DECA State Director, at decavpjohn@gmail.com

Submitted by John Stiles, DECA State Director.

Family and Consumer Sciences Education



No Update at this time. Megan and Nicole are attending the Montana FCCLA Leadership Rally at MSU-Bozeman.

Respectfully submitted,
Megan A. Vincent, FCS Education Specialist, Office of Public Instruction
Nicole Wanago, State Director, Montana FCCLA

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Health Sciences Education

Health Science Update-

September started with a second online class “Understanding Healthcare: An Introduction to Teaching Health Science”, from Sept. 5th to 15th on the OPI Learning Hub. This is exciting as it means even more schools have joined the health science family across the state! We finally moved east to Miles City and Savage.

This year Health Science programs will be working on fulfilling Statewide Pathways targets such as increased job shadowing, industry recognized credentials, and dual credit. We are working with post-secondary curriculum writers to align secondary health science coursework with the new Allied Health Core Prerequisite Core for smoother entry to allied health professions programs, which re highly competitive.

We heard from healthcare facilities across the state that soft skills are an area that needs improvement, so we are piloting a curriculum to highlight Conflict Resolution, Leadership, Professionalism and Communication Skills.

On October 3rd, OPI and HOSA-Future Health Professionals, will offer an Upstairs/Downstairs professional development training for students (upstairs) and teachers/advisors (downstairs) at MT Tech. We have a national health science anatomy expert coming from Texas to share differentiated learning in Anatomy & Physiology.



To your health!

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Montana HOSA



Both Senators Tester and Daines, and staff at Congressman Gianforte's office, hosted seven Montana high school HOSA delegates, in Washington, DC, on September 19, as part of National HOSA's Washington Leadership Academy (WLA). Delegates spent 3 days in D.C. receiving leadership and teamwork training, touring monuments, laying a wreath at Arlington Cemetery, as well as listening to final banquet keynote, Rear Admiral Sylvia Trent Adams, U.S. Deputy Surgeon General.

Lessons learned at WLA will be applied when state officers lead over 70 students at the 2017 Fall Leadership Conference, being hosted at Montana Tech, October 3. Sponsored in part by the Weyerhaeuser Giving Fund, MT DPHHS, and St. James Healthcare, the 14th Fall Conference will feature guest master teacher, Starla Ewan, from Lubbock Texas, who will be instructing the attending 20 advisor teachers. MT DPHHS will also be bringing one of the new mobile simulation trucks in which students will observe demonstrations.

October 10th marks World Mental Health Day, and HOSA students will be selling green ribbons to raise awareness and raise funds for the Big Brothers Big Sisters youth mental health state project. See, <https://www.montanahosa.org/copy-of-conferences>. Shout out to Helena High School HOSA members who participated in the Montana NAMI walk, Sept. 24.





Submitted by
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Industrial, Trades and Technology Education

A Little Bit of Everything at SafetyFestMT: Billings 2017

We've got a fantastic lineup of more than 60 topics for you to choose from at this year's Billings SafetyFest. The SafetyFest will be held October 23-26 in Billings, MT.

This year we're kicking off SafetyFest with Keynote Speaker Spencer Beach. Spencer learned that sometimes tragedy chooses you for no reason at all. On a day like any other, just doing his job, he found himself suddenly engulfed in a flash fire. He received third and fourth degree burns to 90% of his body. Spencer uses his experience to motivate others to "Get it Done Safely."

Topics at this year's SafetyFest include but aren't limited to:

- Ag/ATV Safety
- Active Shooter

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OFFICE OF PUBLIC INSTRUCTION
STATE OF MONTANA



Putting Montana Students First **A⁺**

- Accident Investigation
- Defensive Driving
- Preventing Distracted Driving
- Workplace Violence: Anticipating & Managing Altered Mental Status & Violent Situations
- Occupational Health Indicators for Montana
- PEC SafeLand Basic Orientation
- Record Keeping
- Montana Safety Culture Act: Self Inspections
- OSHA 10 & 30 Hour General Industry & Construction
- Hazardous Waste 101
- Forklift Safety
- Slips, Trips & Falls
- Radon & Asbestos in Montana
- The Ins & Outs of Drug Testing in the Workplace
- Reasonable Suspicion Supervisor Training
- Managing Excavation Hazards OSHA 7410
- Fall Protection in Construction OSHA 7405
- Work Comp 101
- Air Quality 101
- Water Quality 101
- Confined Space - Lock Out/Tag Out
- OSHA Update: What's New in 2018
- Public Sector Compliance Update
- What You Need to Know about Unemployment Insurance
- Stop the Bleed: Bleeding Control Basic Course
- Standardized Awareness Training FEMA AWR-160
- MSHA Blue Card Training
- Trauma Informed Care
- Hydrogen Sulfide Certification

Register for the free high quality safety training today! Registration closes October 15, 2017 at midnight. Please be aware that classes have a limited amount of space so register early!

To earn more about SafetyFestMT [HERE](#).

Mountain West OSHA Training Center will be conducting the OSHA 3095 – Electrical Standards course at Helena College at the University of Montana at 1115 North Roberts Street November 13-16, 2017. This class will be taught by Mr. Dave Johnson.

This course utilizes the OSHA standards and the National Electrical Code to provide an overview of electrical installations and equipment with emphasis on controlling electrical hazards. Participants gain knowledge of single and three phase systems, energized



parts, cord and plug connected equipment, fixed equipment, grounding, ground fault circuit interrupters, personal protective equipment, hazardous energy control, first aid or medical services, and safe work practices. Special emphasis is placed on electrical hazard recognition and OSHA inspection procedures.

Learn to:

- Detect electrical hazards, determine which OSHA standards apply, and achieve the appropriate abatement
- Properly use safety electrical test equipment
- Understand the effects of electrical current on the human body with respect to voltage, current path, and the duration of exposure
- Identify and value OSHA electrical standards
- Understand how the National Electrical Code ties into OSHA's electrical standard

Topics covered:

- Electrical fundamentals
- Grounding requirements
- Over-current protection
- Single-and three-phase systems
- Electrical requirements for portable equipment
- Electrical requirements for fixed equipment
- Ground fault circuit interrupters
- Hazardous locations
- Electrical safety-related work practices
- Dielectric personal protective equipment
- Temporary wiring
- Portable generators
- Branch circuits
- NFPA 70E

Join us at Mountain West OSHA as Mr. Johnson discusses electrical hazard recognition and the need to use risk assessment methods when evaluating the hazards. He will provide an overview of OSHA 1910 Subpart S. The most common hazards will be discussed and an assessment of electrical standards from consensus standards (NFPA 70E) and proprietary standards will also be presented.

This course is designed for anyone concerned about health and safety on the job including: safety managers, plant managers, maintenance personnel, engineers, safety committees, managers concerned about liability and workers compensation costs and employees who want to learn about proper techniques for protecting their safety and



health at work.

To sign up for this important course go to: <https://rocky.utah.edu/ce/webpages/rgstr.html> or contact Shalese Ramirez at 801-581-4055 or email at Shalese.Ramirez@hsc.utah.edu. To find out more about our other courses, please visit our website at: <http://medicine.utah.edu/rmcoeh/continuing-education/index.php>
Submitted by

Don Michalsky

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SkillsUSA



Plan Now to Participate in Manufacturing Day

Manufacturing Day is a celebration of modern manufacturing meant to inspire the next generation of manufacturers. Manufacturing Day occurs on the first Friday in October. While Manufacturing Day is officially Oct. 6, SkillsUSA chapters can plan events on any date in October that works best.

Events for students can include a plant tour, a virtual tour, an event on campus that highlights manufacturing, and more. To assist in spreading the word, chapters are encouraged to use the following video promoting manufacturing: <https://youtu.be/9TA2LVG-jnM>

SkillsUSA Montana is offering up to \$200 to help with the expenses for your chapter to attend an industry experience visit. The grant form is available on the SkillsUSAMontana.org website.

Requirements:



- Must be a chapter in good standing with SkillsUSA. (must have chapter memberships)
- Must submit the Industry Experience Grant form to the State Director.
- Must submit an after visit report. This report should include a written description and photos of your chapter's visit.

SkillsUSA information submitted by Montana SkillsUSA State Director, Cassie Huntley, cell phone: (406) 461-5016; Email: chuntley@skillsusamontana.org

Montana TSA



This October brings the usual busy schedule for TSA officers, advisors and our ***great*** Technology teachers across the state. October always brings our teachers together who are committed to the continued improvement of the craft of educating all students who come through our doors. MEA and MACTE bring teachers together to talk “shop” and when you talk shop with shop teachers, well you can imagine the wealth of knowledge, skill, projects and ideas that come together. One of my favorite things about being in TSA are the advisors across the state that continue the sharing and support of ideas and skills we give to our students.

Technology Education has diverse and wide-ranging areas to cover within our state and no one can do this alone. Through MEA and MACTE out teachers are able to come



together and plan for TSA, share lessons and ideas, and set the individual events that our students compete in.

This year we plan on having a coding contest the state leadership conference.

Students who are unsure about computer programming can try their hand at coding with Sparkfun Arduino-style boards and experience the value of coding to take back to their respective schools. Our plan is to have other students that already have access to the technology have a series of projects to code on-site. This will apply what TSA learned in our summer Update conference for teachers.



Middle School students (or Novice shop teachers!) will have a chance to try their hand at coding at the state conference with some programming stations with the MicroBit. Lastly, Teachers conference will allow Craig Todd to introduce the L.E.A.P. Leadership idea from the National conference in Orlando. *"TSA's leadership program, LEAP – which stands for "Leadership. Education. Achievement. Personal Growth." is available to all members at no cost. The purpose of LEAP is to encourage students to be the best member they can be as they seek knowledge about themselves, the organization, and their community, while demonstrating leadership." *(from the National TSA website)

If you have any questions or input please email Kirk Woosley. (Kirk@montanatsa.com)

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