

The Wednesday Reader

April 18, 2018

2018 BusEd Summer Update—Investigating Fraud & Discovering College & Career Readiness Resources

Looking for some warmer days? How about taking a hike or road trip for a little adventure? What about being hot on the trail of a money laundering ring or uncovering an employee's embezzlement scheme as a member of a fraud investigation team?

Join fellow Montana Business Educators for a day of investigation and discovery during the 2018 Montana Business Education Summer Update. Plan to uncover evidence and financial fraud as you participate in *Forensic Accounting* activities in the morning and explore *College and Career Readiness* opportunities and resources for use with students and parents during the afternoon at one of the following locations.

Three (3) regional sessions will offered across the state for Montana's Business Education Professionals. The 2018 Summer Update topics will include the *Forensic Accounting*, along with materials from the American Institute of Certified Public Accountants, and *College and Career Readiness* featuring Reach Higher Montana and the Montana Career Information System.

Workshops will be held

- Tuesday, July 31 at Skyview High School in Billings;
- Monday, August 6 at Capital High School in Helena; and
- Wednesday, August 8 at Glacier High School in Kalispell.

The Summer Update will be facilitated by Montana Business Education Specialist Eric Swenson with presentations by Reacher Higher Montana. Participants will get to try their hands, and brains, at being fraud investigators as well as receive instructional tools and resources which may be used in college and career development instruction with students.

In addition to all the information and fun activities, Summer Update participants will also receive AICPA/Start Here. Go Places.[®] curriculum materials and resources from Reach Higher Montana.

Please note: you do not need to be teaching accounting to use the forensic accounting materials and students do not need to have taken accounting either. The materials could be used in a variety of courses/units including business communication, business law, business management, entrepreneurship, intro to business, digital media, or computer applications.

Below is the schedule for each of the three locations: July 31, Billings at Skyview High School; August 6, Helena at Capital High School; and August 8, Kalispell at Glacier High School.

8:30-9 am: Registration

9-9:30 am: Welcome & Introductions

9:30-10:30 am: Forensic Accounting

10:30-10:45 am: Break

10:45-Noon: Forensic Accounting , continued

Noon-1 pm: Lunch (On your own)

1-1:30 pm: Business Education/CTE Update

1:30-2:30 pm: College and Career Readiness with Reacher Higher Montana

2:30-2:45 pm: Break

2:45-3:45 pm: College and Career Readiness, Leadership and Communication

3:45-4 pm: Wrap Up & Closing

Come for the day and leave with new ideas, some swag, and activities to start out the new school year.

Registration can be completed at <https://goo.gl/forms/ZKUTu5gcI1wZU2Ly1>. If you have problems accessing the link via the Google “shorthand” URL, here is the longhand version of link, https://docs.google.com/forms/d/e/1FAIpQLSet0hcw2ZzKZ6cvVKFG0uLPHOX0-p9opR281pjEHvpNP_gLEQ/viewform?usp=sf_link.

Please complete registration by Friday, June 22. A registration confirmation will be sent after your registration has been processed.

The Summer Update is offered free of charge with up to six (6) OPI Renewal Units available.

Any travel and lodging expenses you may incur to attend can be paid for by either Perkins and/or State CTE/VoEd funds.

Please let me know if you have any questions or need additional information, eswenson@mt.gov.

The Joy and Beauty of Data (CSCI 591) Offered at MSU in July

Montana State University will be offering [CSCI 582 Computer Science in the Classroom: The Joy and Beauty of Data](#) on campus in Bozeman, July 23-27.

Teachers who enroll in this course will extend their knowledge of the Python programming language and be gently introduced to the world of data science. This two (2) credit course builds upon the pre-requisite 2-credit, MSSE course entitled Computer Science in the Classroom: An Introduction to Computational Thinking.

Teachers who complete this course will be better prepared to teach material covered in CSCI 127, The Joy and Beauty of Computing.

The course will meet in Barnard Hall (Engineering and Physical Sciences Building) 254 from 8 a.m. to 5 p.m. each day, Monday-Friday, July 23-27.

Topics to be covered include

- JBC Python Review
- Python Lists
- Python Files
- Python Dictionaries
- Object Orientation in Python
- Arrays
- Plotting Data
- Data Analysis
- Machine Learning

For complete details, please visit www.cs.montana.edu/paxton/classes/msse.

2017-2018 CTE Participation Reports Lead to NEW Statewide Pathways for 2018-2019

During the 2017 [Montana ACTE](#) Fall Institute, the Office of Public Instruction and the Office of the Commissioner of Higher Education introduced the new [Montana Career Pathways initiative](#)—a statewide approach for expanding options, opportunities, and engagement. The Montana Career Pathways are the next evolution of the Big Sky Pathways, transitioning from individual college/high school pathway agreements to statewide pathways.

The Montana Career Pathways facilitates successful transitions to college and career by helping students make informed choices and engage in advanced learning options. The statewide pathways include clear, concise, labor-market-referenced information about career options in Montana; provide opportunities to engage in college courses that support a career pathway via dual enrollment; and facilitate opportunities for students to explore and engage in careers prior to graduation thru work-based learning and Industry Recognized Credentials.

For Business Education, there are currently four Montana Career Pathways of focus—[Business Management](#), [Finance](#), [Information Technology](#), and [Marketing](#). In this initial roll-out of the new statewide pathways, the pathways chosen were in partnership with the [Montana Department of Labor and Industry \(lmi.mt.gov\)](#) and based upon Montana labor market data. Additional pathways may be developed and added in the near future.

For Montana high school CTE programs, the statewide pathways are based upon the [Secondary Programs of Study](#) (<http://opi.mt.gov/Educators/Teaching-Learning/Career-Technical-Education/Montana-Career-Pathways-Secondary-Programs-of-Study>) within the Montana Career Pathways and the data within the Montana CTE Student Participation Reports for each school/CTE program area.

A [webinar](#) is available to offer details and to answer some questions you may have regarding this transition. The webinar can be accessed directly at <http://opi.mt.gov/Educators/Teaching-Learning/Career-Technical-Education/About-Montana-Career-Pathways>.

Additional details and procedures:

The [Secondary Programs of Study](#) utilize the Montana Career Pathway-specific “recommended high school courses” and list the pathway foundation courses, provide a listing of recommended elective courses, and can assist both students and teachers in course planning. One important aspect to keep in mind is a CTE program only needs to offer two (2) credits/four (4) semesters of coursework to be eligible to have an approved statewide pathway.

The courses listed within each of the [Secondary Programs of Study](#) utilize the Montana K-12 Course Codes. These course codes are based upon the national SCED (School Codes for the Exchange of Data) Codes and are the same course codes local districts use when entering course data into the OPI’s TEAMS school staffing system. The data entered into TEAMS is the same data used for completion of the Montana CTE Student Participation Reports and the calculation of Montana VoEd/CTE funding.

How will your Montana Career Pathway be determined? After the Montana CTE Student Participation Reports have been reviewed, a Pathway Approval Form will be emailed directly to the CTE teacher(s) listed in the

Montana CTE Student Participation Reports. A [Sample Approval Form](#) listed is also posted on the OPI's [Secondary Programs of Study site](#). A Pathway Approval Form will be filled out for each CTE Program & for each available Montana Career Pathway based upon course offerings.

Upon receipt of the Pathway Approval Form, CTE teachers will have the opportunity to list any Work-Based Learning experiences provided by the CTE Program &/or school, Dual Credit/Concurrent Enrollment course offerings, and Industry Recognized Credentials available within the CTE program area.

Completed Pathway Approval Forms will be sent back to the program area's OPI CTE Specialist for final review and approval. Approved Montana Career Pathways will be pre-populated in Perkins E-Grants for the upcoming school year.

The Montana CTE Student Participation Reports for the 2017-2018 school year are currently being reviewed and Montana Career Pathway Approval Forms should be arriving in your Inbox next week.

In the meantime, please view the [webinar](#), download the [related presentation](#) for reference, and review the [Secondary Programs of Study](#).

If you have any questions, please email me at eswenson@mt.gov.

Helena College Hosting Women in Gear Event—Inviting Participants from 8th Grade to Adult

Helena College is pleased to announce registration is now open for the 2018 edition of [Women in Gear](#).

Sponsored by Helena College, Montana Career Pathways, the Career Training Institute, and the Boeing Company, [Women in Gear](#) offers a FREE fast-paced, hands-on opportunity for young women in grades 8 to adult to engage in exciting demonstrations in:

- Automotive Technology
- Aviation Maintenance
- Computer-Aided Manufacturing
- Construction
- Diesel Technology
- Fire & Rescue
- Industrial Welding and Fabrication

This year's [Women in Gear](#) will be held Friday, April 27, 8:30 am-1 pm, at the Helena College Airport Campus (2300 Airport Road, Helena). Breakfast snacks, lunch, and safety glasses provided.

For more information and to register, visit helenacollege.edu/admissions_enrollment/women_in_gear.aspx.

Learn Scratch this Summer Online—Either for 1 Grad Credit or for Free

The University of Northern Iowa is pleased to announce the 5th offering of the online course "An Introduction to Programming using Scratch."

The course will run June 18-July 27 and will require a total commitment of 20-25 hours. The pace of the course is up to the participants who may start and end at their convenience at any time during the course offering - so long as the course is completed by July 27.

The course assumes no prior programming experience. It will include material on Scratch for Logo, storytelling, text interaction, and game playing, as well as some advanced topics. Each of the six units is a blend of 60-90 minutes of lecture videos (roughly 5 minutes each), hands-on guided activities, and independent programming assignments.

Participants may complete the course for personal interest FREE of charge. Participants interested in earning 1 hour of graduate workshop credit (suitable for license renewal in many states) have the OPTION of doing so for a fee of \$100 billed by UNI.

Further details and registration are available at: csed.uni.edu/summer-2018/scratch/

Contact Ben Schafer at schafer@cs.uni.edu with questions.

High School Capture the Flag—An Online Computer Science Competition

[HSCTF 5](#), an online computer science competition, will be running from May 19th-26th.

HSCTF is a free online programming and cyber security competition organized by high school students at West Windsor Plainsboro HS North for high school students. Last year, in HSCTF 4, we had over 3000 competitors. Competitors in [High School Capture the Flag](#) (or HSCTF) will learn computer science skills, and use ingenuity to discover a series of increasingly hard to find "flags" encrypted, hidden, or otherwise stored somewhere difficult to access.

HSCTF includes topics such as computer security, programming, algorithm design, and programming language design. Prizes will be awarded to the top teams. Any team of size 5 or less of high school age or younger living in the US is eligible to win.

You can register and sign up for email updates from our website, hscf.com. If you have any questions, email us at contact@hscf.com.

Teaching Digital/Video Media Production? MontanaPBS is Looking for Info & has Resources for You

MontanaPBS is interested in knowing which schools in Montana are producing media. They are, of course, interested in what editing processes schools are using and also have curriculum available if schools might be interested.

One of the wonderful things MontanaPBS offers is the Student Reporting Labs from PBS NewsHour (<https://studentreportinglabs.org>) which offers an authentic outlet for student production. They also offer a summer camp for students and one for advisors about creating news pieces.

MontanaPBS has had a couple of teachers attend the teacher camp and the reviews were wonderful. The curriculum is available for free whether or not teachers contact MontanaPBS.

The pieces are usually generated by students as they cover local stories, but there are also opportunities to get quick reactions from other students to today's events.

Ultimately, MontanaPBS would like to have a student-generated monthly program on MontanaPBS so this is the first step in finding out who might be interested (with no strings attached at this point) or who might like to have MontanaPBS as a collaborator.

Teachers interested in participating and/or sharing information can respond to chris@montanapbs.org or by calling 406.994.6217.

Invitation to Apply to be an ACTE Region V Fellow

The Association for Career and Technical Education's Region V is pleased to announce the opportunity to participate in the Fellowship Program.

The purpose of the Fellowship Program is to grow leaders in Region V. Fellows will have the opportunity to meet aspiring leaders from other states in the region and country. Two fellows will serve from July 1, 2018 – June 30, 2020.

The application can be found on the [ACTE Region V website](http://www.acteonline.org/RegionVFellow) or by simply going to <https://www.acteonline.org/RegionVFellow>.

The deadline for applying is **April 30**. For questions, please e-mail [Coleen Keffeler](mailto:coleen.keffeler@k12.sd.us) at coleen.keffeler@k12.sd.us.

Gallatin College's 4th Annual Manufacturing Day with Expanded Offerings—Tuesday, May 8

Gallatin College is excited to announce their 4th Annual Manufacturing Day will be held on Tuesday, May 8.

This year's areas of focus have been further expanded to include Business, Network IT and providing tips on resume building/interviewing and soft skills for students seeking employment in any area.

Manufacturing Day is an opportunity for high school students (preferably freshman-juniors) to learn about a diverse spectrum of career opportunities throughout the Gallatin Valley and includes breakout sessions, hands on activities, networking with area employers, and tours of companies across the valley.

The Gallatin College 4th Annual Manufacturing Day will begin at 9 a.m. and conclude at 2 p.m. with lunch provided.

Registration can be completed online at <https://goo.gl/forms/9Nix9UI8cFQ4kmyY2> and must be completed by Monday, April. 23.

An official schedule/agenda and details on breakout session tracks will be sent out shortly after registration closes.

For questions regarding Gallatin College's 4th Annual Manufacturing Day, please contact Diane Dorgan at dorgan@montana.edu.

Registration Open for MCEE's 2018 Economics Teacher Seminar & Bonus Sessions Offered

The [Montana Council on Economic Education](#) (MCEE) is pleased to announce registration is now open for the [2018 Economics Seminar for Teachers](#).

Want to improve your economics teaching?

Learn with other teachers from the faculty at Montana State University with this no cost course.

Professors and industry experts are offering a multi-day professional development program featuring the best practices in teaching economics at the high school level.

The [2018 Economics Seminar for Teachers](#) will be held July 26 and 27 on the Montana State University campus in Bozeman. View seminar details at econedmontana.org/teacher-training.

[Click here to reserve your spot by May 1, 2018](#). A Microsoft Word fillable version of registration is available [here](#).

Participants will be able to earn Office of Public Instruction Certificate Renewal Units.

Questions? Please email mcee@montana.edu.

Bonus Option for 2018--High School Business Challenge and Stock Market Game training will be offered by Simulations Administrator, Tim Alzheimer.

High School Business Challenge and Stock Market Game training will be July 26 from 9 am to Noon.

Want to learn about these classroom simulations where your students can compete against other schools for prizes and scholarships?

Already using these simulations, join to get insights to apply in your classroom.

Teachers may opt for any variation of the sessions offered, however, the *Teaching Economics Seminar* is offered as a two-day block.

MCEE and sponsors will cover expenses for:

- Lodging
- Mileage
- Meals
- Parking
- Class Materials

Enjoy two days in beautiful Bozeman, Montana at the MSU Campus. Classes will be offered in Linfield Hall. Teacher's lodging will be on campus.

CTE Perkins Intent to Apply and State VoEd/CTE Funding Application—Due April 30

The Office of Public Instruction has again this year combined both the Federal Carl D. Perkins 'Intent to Apply' AND the State CTE/VoEd Funding application for school districts' convenience. You can apply for one or both funding programs using this one electronic form.

The online link to access and complete the combined Federal and State Funding application is now available and listed below. It is also available on the CTE web page of the OPI website inside the *Funding* tab under *Carl D. Perkins*.

Authorized Representatives of Local Education Agencies (LEAs) will use the online link to access and complete the brief electronic form for the 2018-2019 E-Grants cycle.

All public high schools and K-12 districts with qualifying Career and Technical Education (CTE) programs are eligible to apply for funding. Elementary districts are not eligible for Perkins or State CTE/VoEd monies.

Districts will NOT receive a 2018-2019 Perkins allocation unless this electronic form is completed and submitted online at the OPI on or before the deadline. These designations are binding and cannot be changed once allocations have been downloaded into the E-Grants system.

The online link is located at <https://app.keysurvey.com/f/1195733/1ddd/>.

The **DEADLINE** for submission of the combined application is **April 30, 2018**.

If you have questions, please contact Christy Hendricks, CTE/Perkins Data Control Specialist, at chendricks@mt.gov or by phone at 406.444.9019.

Early Bird Registration for ACTE's 2018 VISION in San Antonio is Now Open

The premier event for CTE professionals to connect and collaborate, the Association for Career & Technical Education's [ACTE CareerTech VISION 2018](#) features high-quality CTE programs, strategies for successful collaboration and innovation in the classroom.

This November 28-December 1, thousands of educators, business leaders and industry representatives will gather in San Antonio, Texas, to learn and inspire.

[Register](#) by July 13, 2018, and save on your registration.

Hotel reservations can also be made for CareerTech VISION 2018 at the [Grand Hyatt San Antonio](#). The conference room rate is \$189 plus taxes and fees. Reservations can be made at <https://aws.passkey.com/go/2018ASSNCAREERTECH>.

Also, check out the CareerTech VISION 2018's [Travel page](#) for Delta and United discount codes for airfare.

Oracle Academy Scholarship for 1st Time CSTA Attendees Returns for 3rd Year

CSTA and Oracle Academy are delighted to announce that applications for [Oracle Academy Scholars - CSTA Conference Scholarships](#) are now open.

For the third consecutive year, Oracle Academy will be helping to send outstanding first-time conference attendees to the annual [Computer Science Teachers Association 2018 conference](#) in Omaha, Nebraska, July 7-10. Thirty three scholarships will be awarded.

To be eligible for the scholarship, teachers must fit the following criteria:

- * Applicant is a first time K-12 teacher attendee of the CSTA Annual conference
- * Applicant may be, but does not have to be, a teacher at an Oracle Academy member institution
- * Must apply for the scholarship no later than May 1, 2018

Winners will receive a scholarship funded by Oracle Academy to attend the [2018 CSTA Annual Conference](#), up to \$1,000 per awardee, to include:

- * Conference registration;
- * Up to 3 nights of lodging at the conference venue (or comparable location if the conference venue is sold out);
- * Travel expense support (toward transportation and meals);
- * Special recognition as an Oracle Academy Scholar at the conference.

Apply today at

https://docs.google.com/forms/d/e/1FAIpQLSf1nJ8aZkYPV_Z1E3YmKrHhOPTNnKZu9u5s0neaSM1RyAK9PA/viewform.

Feedback Needed as Standards Review Begins—Including Career & Technical/Vocation Education

The Montana Office of Public Instruction's Division for Career, Technical and Adult Education, in partnership with the Content Standards and Instruction (CSI) Division, is looking for your feedback to inform the round of standards review that is underway.

The following content areas are on deck:

- [Career and Vocational Technical Education and Workplace Competencies](#)
- [Computer Science](#)
- [Technology and Library Media/Information Literacy](#)
- [Social Studies](#)

Please visit any or all of the above linked page for the current state and national standards in the four areas.

Do not hesitate to contact [us](#) with any questions you may have.

More information about the standards revision process can be found on the [K-12 Content Standards and Revision page](#) of the OPI website.

2017-2018 CTE Spring Data Collection—Identify CTE Concentrators for Perkins Funding Due April 30

The Career and Technical Education (CTE) Spring Data Collection begins March 1, 2018 and ends April 30, 2018.

This AIM collection asks schools to identify all 12th grade high school students who were enrolled at any point during the current 2017-2018 school year who meet the definition of a CTE Concentrator.

CTE Concentrators are 12th graders who have earned three (3) or more credits in any CTE program in any combination during their years of high school. Currently, enrolled CTE courses count towards credits earned.

CTE Concentrators must have the 'CTE Concentrator' box checked and an 'Area of Concentration' entered into the AIM/Infinite Campus data system. If the student has a child or shares the parenting of a child, the 'Single Parent' box should also be marked.

High schools who receive funding from the Carl D. Perkins federal grant program must complete this CTE Spring Data Collection.

Instructions for completing the CTE Spring Data Collection can be found on the AIM webpage as well as inside the 'Data Collections' tab on the CTE webpage located at this link:

[CTE Spring Data Collection: Quick Reference Guide](#)

Questions regarding this data collection should be directed to the AIM Helpdesk at 1-877-424-6681 or send an email to: opiainhelp@mt.gov.

Questions regarding CTE programs and/or the Carl D. Perkins federal grant program should be directed to Christy Hendricks at 406-444-9019 or email her at: chendricks@mt.gov.

Summer Professional Development for Joy & Beauty of Computing and Mobile CS Principles in Butte

Montana Tech will be holding two Professional Development workshops for Montana high school teachers interested in adding computer science to their classroom and/or wanting to enhance current skills and curriculum.

[Joy and Beauty of Computing](#) and [Mobile Computer Science Principles](#) will be held June 25-29 on the Montana Tech campus in Butte.

[Joy and Beauty of Computing](#) will focus on Computational Thinking, and Python programming, Topics in CS with [Mobile Computer Science Principles](#) including App Inventor programming, computational thinking, data and information.

For details, requirements for participants, and to register please visit hs.umt.edu/cs/summer-offerings/jbc.php if interested in [Joy and Beauty of Computing](#) and hs.umt.edu/cs/summer-offerings/mobile-csp.php for [Mobile Computer Science Principles](#).

Apply Today for a FREE 2018 Advanced Accounting Training—Boise, June 19-21; Stipends Available

The application for the [2018 APBP: Accounting Program for Building the Profession](#) (formerly known as Accounting Pilot & Bridge Project) training is now open. The American Institute of Certified Public Accountants (AICPA) has partnered with state CPA societies and/or state departments of education throughout

the country to bring you training sessions to equip you with higher order accounting curriculum that will increase your students' engagement.

Becoming a part of APBP is not only FREE, but also provides high school teachers with a \$200 stipend upon completion of the program.

More than 1,000 high school teachers in 42 states have attended the training, received their free materials and been provided ongoing support. Are you interested? Head over to the APBP website to find a training near you.

A 2018 training for Idaho, Montana, and Utah is currently scheduled for June 19-21 in Boise on the Boise State University campus.

Details about the [2018 APBP: Accounting Program for Building the Profession](http://www.startheregoplaces.com/teacher/apbp-advanced-accounting) project can be found at www.startheregoplaces.com/teacher/apbp-advanced-accounting.

To see the topics to be covered in the training, download a PDF of the [sample rubric](#).

AICPA research has found the first accounting course high school students take greatly impacts their decision to pursue accounting as a major and career choice.

Fun Facts and Trivia

Armadillo is a Spanish word meaning “little armored one” and refers to the bony plates that cover the back, head, legs, and tail of most of these odd looking creatures.

Only one armadillo species (nine-banded armadillo) lives in North America.

They vary in size, from 5-59 inches in length to 3-120 pounds in weight.

Only the three-banded armadillo can curl into the ball to protect itself from predators. Other armadillos run or dig a hole when they need to escape from predators.

The three-banded armadillo was the mascot of the 2014 World Cup tournament in Brazil.

Their legs and long claws are perfectly adapted for digging and can dig and create network of tunnels underground.

Armadillos also dig ground to find their favorite food—insects; beside insects, they like to eat small mammals, baby birds, eggs, carrion, roots and fruit

Like anteaters, they have long sticky tongue that works perfectly when they hunt ants and termites. They eat fire ants also.

Armadillos are great swimmers and can hold their breath for 6 minutes when they dive.

They are also excellent climbers and can climb over a fence in the case they can't dig underneath it.

A female can postpone her pregnancy until environmental conditions become satisfying, known as delayed implantation.

From one egg, four identical armadillos will be born—called quadruplets.

A baby armadillo is born without bony plates; it takes few weeks for soft skin to turn into hard armor.

You can eat armadillo, called “possum on the half-shell.” During the Great Depression they were known as “Hoover hogs.” Armadillo are said to taste somewhat like pork.

Issues of the Wednesday Reader are archived on the Montana Business Education Association (MBEA) website at www.mbea.info. The Wednesday Readers are under the Newsletter section and listed most-recent first.

Eric Swenson

Business Education Specialist
Montana Office of Public Instruction
PO Box 202501
Helena, MT 59620-2501
406.444.7991
406.444.1373 (Fax)
eswenson@mt.gov



"You don't make decisions because they are easy; you don't make them because they are cheap; you don't make them because they're popular; you make them because they're right." ~Rev. Theodore Hesburgh