



Business & Marketing Education



March 17, 2021

Wednesday Reader

Wednesday Reader Going on Spring Break

Please note, there will not be a Wednesday Reader next week, March 24. I will be out of the “remote” office beginning Friday, March 19 and returning Monday, March 29.

Should you need assistance during this time, please contact Shannon Boswell at Shannon.Boswell@mt.gov.



Montana Business Educator Recognized for Collaboration, Creativity, & Innovation

Stevensville Business Educator Jacki Bauman was recognized earlier this month by [Youth Entrepreneurs](#) (YE) for her extra efforts to ensure her students have a successful Market Day within the virtual classroom environment.

The following article was published in Youth Entrepreneurs’ March 2021 edition of *Community Connections*. Congratulations Jacki and thank you for all you do for your students and the SHS community.

Expanding Market Day Reach: Scott Hanson and Jacki Bauman

Two Montana YE teachers are expanding Market Day reach and proceeds online. Jacki Bauman of Stevensville High School (Stevensville, Mont.) used YE partner Shopify’s platform as well as support from a fellow teacher to help her student create and sell their work [online](#).

Bauman, who teaches YE activities in Entrepreneurship classes, looked to Scott Hanson, who heads the remote learning group for the Billings Career Center of Billings Public Schools (Billings, Mont.), for support in executing the Market Day curriculum remotely and holding Market Day online.

Bauman is implementing Market Day virtually in 2021, too. Upcoming students will sell their products online twice – once early in the semester and again later to leverage their initial

experience. Hanson, through our YE Partnership Team, has offered to help other teachers leverage Shopify for their Market Day activities.

TEAMS Open to Update Spring CTE Enrollment Numbers

Schools can now enter Spring enrollment changes for CTE course in TEAMS until March 19, 2021.

As a reminder, 2021-2022 Montana State CTE (VoEd) Funding is an allocation based on the 2020-2021 school year data entered in Terms of Employment Accreditation and Master Schedules (TEAMS).

The factors of allocation are approvable CTE Program(s), correct course codes for CTE courses, properly endorsed teacher(s), student enrollment numbers, and minutes for each course, as well as any extended contract days for CTE teachers.

Collaboration. Leadership. Networking. MBEA Seeking a Vice President for 2021.

The [Montana Business Education Association](#) (MBEA) is looking for an energetic team member to fill the position of Vice President. MBEA knows everyone has plenty to do during this crazy year; however, this is an opportunity to get to know the association better and network with other educators who are fighting the same battles and earning similar victories. The Vice President is also voting member of the Montana Association for Career & Technical Education's Executive Board and helps to plan the Fall Institute that takes place annually in October.

The Vice President moves into the position of President-elect in January 2022 and President in 2023. Both positions attend the Western Business Education Association's conference in February, takes part in leadership training, and represents Montana on the regional board. The MBEA budget offers financial assistance to attend. The payoff for being on the board far outweighs the small amount of added work.

Please consider increasing your involvement and your benefits by volunteering as the Montana Business Education Association Vice President. Please contact MBEA President Mandy Wichman at mandy.wichman@hobson.k12.mt.us for more information.

Montana Quality Educator Loan Assistance Applications Due March 31

Through House Bill 211, the 2019 Montana legislature renewed the quality educator loan assistance program as a recruitment and retention aid for rural schools. The Office of Public Instruction is responsible for administering the program. Applications for the [Montana Quality Educator Loan Assistance Program](#) will be accepted from February 15-March 31, 2021.

Newly hired quality educators who teach or work in a subject that has been identified as a “critical quality educator shortage area” at an “impacted school” are eligible to receive state paid loan assistance for up to four years, so long as they remain a full-time employee at an impacted school.

The program provides for up to \$3,000 of state funded loan repayment at the end of the first year of teaching, up to \$4,000 at the end of the second year, and up to \$5,000 at the end of the third year. In addition, the school district has the option to offer up to \$5,000 at the end of the fourth year, but this is entirely a local decision.

[See the Quality Educator Loan Assistance FAQ's](#) for information on the criteria, applying, the list of impacted schools, and quality educator shortage areas.

At the time of application, the quality educator will have to provide the most current loan statement showing the remaining principal balance of the loan. To be eligible, the educational loan must not be in default, and the balance must be at least \$1,000. The authorized loan assistance repayment amount will be the lesser of the principal balance or the maximum amount shown above.

MCEE Announces Two Spring Challenges for Your Students—Register Teams Today

The [Montana Council on Economic Education](#) (MCEE) is excited to announce they will officially host both the [Montana Economics Challenge](#) and the [Montana Personal Finance Challenge](#) this spring. There is no cost to compete in either Challenge.

Registration is open now and testing for both Challenges will need to be completed by April 15, 2021.



As an added incentive this year, MCEE will offer a \$500 cash team prize for first place in the [Montana Personal Finance Challenge](#) and \$500 for the winners of both divisions in the [Montana Economics Challenge](#).

As always, all top performing teams will have a chance to compete at regional, and potentially national, competitions, which will also be held virtually.

MCEE is already arranging partners for 2022 and hope to gather again for in-person competitions.

On the bright side for this year, MCEE hopes to attract new interest without the geographic barriers of travel to Helena in March.

Thank you to this year's sponsors: Montana Banker's Association, First Interstate Bank, BNSF, and the [Montana Financial Education Coalition](#).

For questions regarding either the [Montana Economics Challenge](#) or the [Montana Personal Finance Challenge](#), please contact Dax Schieffer, MCEE Executive Director, at mcee@montana.edu.

April 1 is Early-Bird Registration Deadline for ACTE Region V's 2021 Virtual Conference

Hosted by Nevada ACTE, the [2021 ACTE Region V Conference](#) will be held virtually, April 15-17.

Early registration is now open and can be completed [online](#). The early registration rate for ACTE members is \$199 and ends April 1. After April 1, the registration rate increases to \$299.

Preliminary details can be found on the [2021 ACTE Region V Conference](#) website.

For questions regarding the 2021 conference, please contact Jennifer Fisk at fiskej@nv.ccsd.net.

Montana State CTE (VoEd) and Perkins Funding Applications Due April 15, 2021

All high schools and K-12 districts with qualifying CTE Programs are eligible to [apply](#) for both Montana State CTE (VoEd) allocations and Perkins Grant Application.

The 2021-2022 Montana State CTE (Vo-Ed) Funding is an allocation based on the 2020-2021 school year data entered in Terms of Employment Accreditation and Master Schedules (TEAMS) and with Career and Technical Student Organization (CTSO's) State Directors' membership rosters. The funding is allocation-based and requires only a "Yes" in the [application](#) to receive the school's allocation for the 2021-2022 school year.

Carl D. Perkins provides funding to strengthen the Career and Technical Education programs offered to students; helping them to explore careers in high wage, high skill, and in-demand career fields. There are 16 Montana Career Pathways allowing students to explore the areas of Agriculture Education, Business and Marketing Education, Family and Consumer Sciences, Health Science, and Industrial Technology Education. Courses and programs must be taught by instructors endorsed in the respective curricular area.

The grant application and 2021-2022 allocations will only be made available to those schools indicating that they wish to apply for Perkins in the [application](#).

The Montana State CTE (VoEd) and Perkins Funding application can be accessed and completed [here](#). The deadline to submit applications is April 15, 2021.

Elementary districts are not eligible. For assistance, please contact the Career and Technical Education Division at 406.444.9019.

AIM CTE Collection Change

There have been several significant changes to the CTE Collection that historically would take place in March.

Please note, the Spring CTE Collection is no longer taking place in March; it is now called the End of Year (EOY) CTE Collection and it will be opening in May.

New AIM resources pertaining to the new EOY CTE Collection, including a new AIM User Guide and webinar information, will be sent out closer to the collection date.

AIM will be hosting Webinars May 5 and 6, 2021.

Subscribe to AIM Updates [here](#).

Cybersecurity Curriculum Workshop from Gallatin College

Gallatin College MSU and Clark State Community College present a two-day [Cybersecurity Curriculum workshop](#) for Montana high school teachers, June 17-18, 2021.

Selected participants will review cybersecurity lab activities, complete workshop labs, and prepare to teach 50+ minutes of cybersecurity curriculum during the 2021-2022 school year.

Participants will receive \$500, an iPad, and cybersecurity curriculum for student instruction.

The workshop will be held at the Gallatin College East Campus, 705 Osterman Drive, in Bozeman.

Space is limited to 10 attendees. Get more details and apply to attend at bit.ly/3tav6H9.

Code.org Offering a New CS Fundamentals Deep Dive Workshop

Are you currently teaching [Computer Science Fundamentals](#) from Code.org? If so, level-up your skills with Code.org's [Computer Science Fundamentals Deep Dive Workshop](#).

The Computer Science Fundamentals Deep Dive workshop is designed for K-5 educators who have started teaching CS Fundamentals and want to "dive deeper" into the curriculum and solidify their own implementation strategies.

The [CS Fundamentals Deep Dive](#) workshops include customized action plans, ideas for developing strong classroom rapport, and strategies to address implementation roadblocks.

There are currently three (3) upcoming, no-cost workshops scheduled—

- Option 1: [April 13](#); 4-7 pm
- Option 2: [April 20](#); 4-7 pm
- Option 3: [May 15](#); 9 am-3:30 pm

The CS Fundamentals workshop is not a prerequisite for Deep Dive, but participants should have started teaching CS Fundamentals before attending. If you would like to take both workshops, it is recommended to schedule them at least a month apart so you have time to

try out a few lessons with your class. Find an introductory CS Fundamentals workshop [here](#).

Renewal Units will be offered from AVID/Code.org for each workshop. For questions regarding the CS Fundamentals Deep Dive, or any Code.org offerings, please email code@avid.org.

Code.org Updates Summer 2021 Workshops to Virtual & Opens More Spring Options for CS Fundamentals

[Code.org](#) has announced all face-to-face summer 2021 workshops planned for Computer Science Discoveries and Computer Science Principles will be switched to a virtual format. Both Computer Science Discoveries and Computer Science Principles workshops were planned for Helena in June.

K-5 Educators: Computer Science Fundamentals Virtual Sessions

[Computer Science Fundamentals](#) blends online and “unplugged” activities, especially designed for teaching in the K-5 classroom. Using methods like puzzles, classroom games, and storytelling, students are taught basic computer science concepts through fun and engaging lessons that fit flexibly into any classroom schedule.

[Workshops](#) include comprehensive lesson plans, an online teacher dashboard, and are compatible with a variety of servers.

Virtual Computer Science Fundamentals workshops offered at no-cost for Montana educators are available at multiple times this spring. If interested, select the workshop best fitting your schedule.

- Option 1: [March 13](#); 9 am-3 pm
- Option 2: [March 22-24](#); 6-8 pm each day
- Option 3: [April 3](#); 9 am-3 pm
- Option 4: [April 12-14](#); 6-8 pm each day
- Option 5: [May 1](#); 9 am-3 pm

Visit the [Code.org](#) website to create a free teacher account, to register for a virtual workshop, and to learn more about the [Computer Science Fundamentals](#) curriculum.

Computer Science Discoveries & Computer Science Principles Virtual Options

During summer 2021, four (4) virtual workshop options will be available for [Computer Science Discoveries](#) (grades 6-10) and [Computer Science Principles](#) (grades 9-12).

Additionally, scholarships are available for Montana educators from Code.org for qualified 6-12 applicants from schools with over 50% Free and Reduced Meals (FARM) or 50% under-represented community students; or, if a school is federally classified as “rural,” the minimums drop to 40%.

Virtual workshops for both [Computer Science Discoveries](#) and [Computer Science Principles](#) will be offered four times during the summer.

- Option 1: June 21-25; 9 am-5 pm daily

- Option 2: July 19-23, 9 am-5 pm daily
- Option 3: August 2-6; 9 am-5 pm daily
- Option 4: August 9-13; 9 am-5 pm daily

[Applications](#) for the summer CS Discoveries and CS Principles virtual offerings are now being accepted.

Renewal units will be offered for all virtual workshops. For questions regarding the workshops and/or scholarships, please contact code@avid.org.

New Product Spotlight, \$cholarships, & Current Events from EVERFI

EVERFI's [306: Continuing the Story](#) (grades 8-12) extends the lessons of the original 306: African American History course, teaching students about events in U.S. history from both before and after the Civil Rights Era that have shaped the experience of many Black people in the United States.

This African American History curriculum celebrates exceptional achievements made by Black leaders, trailblazers, and communities, despite an undeniable context of racism, trauma, and dehumanization. Students will draw connections from past and present events to recognize and empathize with the ongoing challenges Black people continue to face in the United States.

Middle school students using EVERFI's FutureSmart financial literacy resource are eligible to enter the 2020-2021 [MassMutual FutureSmart Scholarship Contest](#) for a chance to win one of 10 \$1,000 529 College Savings gift cards.

The [FutureSmart Scholarship Contest](#) is open to any U.S. student in grades 6-8 who has completed at least three of the FutureSmart digital lessons and submitted a short essay. Spring semester entries must be received by May 31, 2021. [Click here for details](#).

[Women's History Month](#) is a time to honor extraordinary women and their achievements, struggles, and triumphs throughout history. Celebrate and recognize the contributions women have made by incorporating these [lesson ideas](#).

When getting ready for April and Financial Literacy Month, check out EVERFI's suite of financial education resources and schedule a time to connect to discuss the rollout of these resources:

- [High School Financial Wellness Suite](#)
- [Middle School](#)
- [Elementary School](#)

For questions, or to learn more about EVERFI, contact Sean Thomas, Schools Manager, at sitchens@everfi.com, or Caitlin O'Connor, Director of K12 Programs, at caitlin@everfi.com.

Cyber.org Announces the Cyber Education Discovery Forum in June



Do you teach cybersecurity or want to learn more about how you can include cybersecurity and cyber education concepts in your current curriculum? [Cyber.org](#) is hosting a three-day virtual professional development event designed to help you reset, regroup, and refresh with new cybersecurity content and strategies as you head into the 2022 school year.

The [Cyber Education Discovery Forum](#) will be held virtually, June 21-23, and will feature

- Interactive workshops during the mornings,
- Workshop supplies and conference swag bags shipped to you ahead of the event,
- Breakout sessions that explore new perspectives and resources you can immediately use,
- Networking sessions with guided topics to connect you with other attendees, and
- Keynotes from education leaders.

Five workshop tracks will be offered for attendees.

Cybersecurity Awareness for elementary: This entry-level workshop is ideal for elementary educators looking to infuse basic cybersecurity concepts like digital citizenship and block-based coding into core subjects.

Cybersecurity Awareness for middle school: This session is designed for middle school educators looking to build cybersecurity awareness into new or existing project-based STEM content while supporting core subject standards.

Cyber Society for middle and high school: This humanities-based workshop is ideal for upper middle school and high school educators looking to focus on the societal implications of living in a connected world.

Cyber Literacy for middle and high school: This workshop is ideal for upper middle school and high school educators as an introduction to programming, robotics, and societal implications of cybersecurity.

Cybersecurity Credentials for high school: This workshop is ideal for high school educators as they prepare students to take technical cybersecurity certification exams like CompTIA Security and A+.

The registration fee is \$35 and can be completed on the [Cyber Education Discovery Forum](#) website.

Visit [Cyber.org](#) to learn more about the free curriculum and resources available for teachers and students.

CodeHS Announces Eight New Courses for the 21-22 School Year

Are you looking for some new ideas for the 2021-2022 school year? Maybe one, or more, of the [eight new courses](#) from [CodeHS](#) can find their way into your classroom next year.



CodeHS will be launching six [new free computer science courses](#) and two more interdisciplinary projects for the 2021-2022 school year. A preview of these courses will be available in May 2021 for beta testing and the full courses will be available in July.

[Introduction to Artificial Intelligence](#): The Introduction to Artificial Intelligence (AI) course teaches students important programming concepts that enable the use of AI in computer science and society at large. Students learn the implications of AI on society and develop a series of projects that illustrate the variety of ways it can be used to optimize and predict information.

[Data Science](#): Industries of all types are hiring data scientists to analyze and highlight the hidden patterns in data! This course equips students with the essential skills of a data scientist which include data collection, cleanup, transformation, analysis, and visualization.

[Data Structures in C++](#): The Data Structures course in C++ teaches students about advanced data structures such as maps, queues and sets, while applying them in larger, real-world assignments and projects.

[Game Design in Unity](#): This course teaches students the fundamentals of game design by using Unity's game engine. By the end of this course, students will understand the design planning process, be knowledgeable of industry related careers, and be able to navigate the Unity environment in order to create their own 2D and 3D games.

[Coding in Math](#): Coding in Math is a series of independent, standalone modules that use coding to reinforce and extend students' understanding of mathematics! As students learn major programming concepts, they will develop math-related projects that demonstrate their proficiency in math and computer science.

[Coding in Science](#): Coding in Science is a series of independent, standalone modules that use coding to reinforce and extend students' understanding of science! As they learn major programming concepts, they will develop science-related projects that demonstrate their proficiency in both science and computer science.

[IB Computer Science Standard Level](#): This course will facilitate the learning and project creation processes for students enrolled in the Standard Level section of their International Baccalaureate Diploma Programs.

[IB Computer Science Higher Level](#): This course will facilitate the learning and project creation processes for students enrolled in the Higher Level section of their International Baccalaureate Diploma Programs.

Visit the [Coming Soon](#) section of the [CodeHS Course Catalog](#) to learn more about each course, to view the units of instruction, and to download all course syllabi.

[CodeHS](#) courses teach students applicable computer science skills. With a focus on helping students develop problem solving and computational thinking skills, students come away both with a knowledge of professional programming languages and the conceptual understanding needed to learn new languages.

ACTE's 2021 CareerTech VISION 2021 Call for Proposals Due April 15

ACTE's [CareerTech VISION](#) is the premier annual gathering of career and technical education (CTE) professionals. This year, CareerTech VISION will look a bit different. In an effort to include more participants in the valuable professional development experience, ACTE is planning a hybrid approach to delivering a high-quality experience. ACTE's [2021 CareerTech Hybrid VISION](#) will be held December 1-4, in New Orleans, Louisiana, and online.



ACTE is seeking [proposals](#) addressing a full range of issues facing CTE educators, administrators and other key stakeholders as they strive to prepare students with the knowledge and skills to succeed in the 21st century economy.

The selection committee will focus on innovative ideas or new approaches to key challenges within CTE, and will choose sessions featuring evidence-based, high-quality career and technical education program of study elements. Quality sessions will engage the audience and provide attendees with practical, "how to" ideas and resources that directly impact CTE programs and student achievement.

This year, ACTE is seeking both [virtual and in-person proposals](#). The deadline to submit a [Call for Proposal](#) is April 15, 2021.

Please visit the 2021 CareerTech VISION's [Call for Proposals](#) page for complete details.

Registration for CSTA 2021 is Open to All Members

The [Computer Science Teachers Association](#) (CSTA) is excited to announce registration for [CSTA 2021](#) is now open for all members.

This year's conference spans two and a half days full of amazing CSTA sessions. With over 150 presentations, there is tons of new content to help you inspire your students.

Register early to ensure you receive this year's swag box (U.S. and Canada residents only) and do not miss out on the fun.

The [CSTA 2021 Virtual Conference](#) will be July 14-16.

If you are not a CSTA member, you can become a [CSTA Basic Member](#) for free.

Apply Today for a CSTA 2021 Conference Scholarship

The [Computer Science Teachers Association](#) (CSTA) prides itself in promoting equitable access to the [CSTA Annual Conference](#) by offering [scholarships](#) that subsidize 100% of the program cost. These scholarships are intended to support teachers whose limited financial

resources may prevent them from attending. The goal is to support as many teachers as possible.

To be eligible for [scholarships](#) to the 2021 CSTA Conference, you must:

1. be a [CSTA Basic \(free\) or CSTA+ member](#),
2. directly teach computer science to K-12 students, and
3. not have access to funding from your school or organization to cover conference registration fees.

Applications close on April 30, 2021.

Fun Facts and Trivia

The yellowfin tuna is one of the open ocean's fastest, strongest predators and an important fishery species everywhere it lives.

Reaching weights of at least 400 pounds and lengths of nearly seven feet, the yellowfin tuna is a large species that eats just about anything it can swallow, typically whole.

Yellowfin tuna are also known by the Hawaiian name ahi tuna.

Yellowfins are an important commercial tuna species, particularly the raw sashimi market.

Yellowfin tuna get their name from the bright yellow color of their dorsal, anal, and tail fins.

Like many open ocean bony fishes, yellowfin tuna start out as extremely tiny larvae, no more than a few millimeters long and weighing only a few hundredths of a gram.

Within two years, individuals reach lengths of three feet and are sexually mature.

Because yellowfin tuna undergo such an amazing transformation in size, from being nearly microscopic to being one of the largest open ocean predators, they eat a wide variety of prey, throughout their lifetimes.

At a young age, they eat tiny zooplankton, and their prey increases in size as they do.

As adults, yellowfins eat fairly large bony fish and squid.

Similarly, yellowfin tuna are eaten by a wide variety of predators; when newly hatched, they are eaten by other fish specializing on eating plankton.

Adult yellowfins are not eaten by anything other than the very largest billfishes, toothed whales, and some open ocean shark species.

Yellowfin tuna are known to travel in schools with different species, including skipjack, dolphins, whale sharks, and bigeye tuna.

Yellowfin tuna live in all tropical and subtropical oceans except for the Mediterranean.

The yellowfin tuna is one of the fastest swimmers in the ocean.

Though almost all fishes are cold blooded, yellowfin tuna have a specialized blood vessel structure, called a countercurrent exchanger, that allows them to maintain a body temperature that is higher than the surrounding water.

This adaptation provides them with a major advantage when hunting in cold water, by allowing them to move more quickly and intelligently.

Like some shark species, yellowfin tuna must constantly swim.

In order to obtain oxygen from the water, fish pass water over their gills; however, tunas lack the ability to do so while stopped, so they must continuously swim forward with their mouths open to keep their blood oxygenated.

Female yellowfin tuna species can release up to four million eggs when spawning.

The yellowfin tuna species has a maximum lifespan of seven years.

For questions, please contact:

[Eric Swenson](#), Business Education Specialist - 406.444.7991

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