



Business & Marketing Education



April 21, 2021

Wednesday Reader

Be Sure to Sign up Today for Saturday's Karel Con 2021, the 3rd Annual CodeHS Teacher Conference

[Karel Con](#) is a FREE 3.5-hour virtual conference for computer science educators. It is a great opportunity to learn from other amazing computer science educators, network, and explore new ways to use the [CodeHS](#) platform.

[Karel Con](#) will be held Saturday, April 24, 2021, from 9:30 am to 1:00 pm (MDT). All conference events will be held via Zoom.

Karel Con includes three, 45-minute breakout sessions of your choice and networking opportunities with other computer science teachers.

Please [register by April 9](#) for this FREE professional learning opportunity. Check with your district/school about receiving OPI Renewal Units for your participation.

Teachers can register for a [FREE CodeHS account](#), if needed, before Karel Con begins.

[Karel Con 2021](#) will also provide exclusive raffle prizes. Attendees will receive a hardcover copy of the new *Read Write Code* book by CodeHS CEO, Jeremy Keeshin. Attendees will also be entered into a raffle to win a MacBook Air or one CodeHS Pro License for the 2021-2022 school year.*

**The Pro License can only be won by a teacher currently using CodeHS Free.*



The Virtual NGPF FinLit Conference is Saturday. Are you ready?

The 2021 Next Gen Personal Finance (NGPF) [Virtual FinLit Conference](#) will be on April 24, 2021. The conference will showcase 18 new, timely, and updated Virtual PD sessions, with a bonus 1-hour session on the 'State of Financial Education in the U.S.'



NGPF is excited to gather educators from all around the country to learn and engage together on all things financial education—especially with April being Financial Literacy Month.

Come and join NGPF; as with all things at NGPF, the conference is free and open to all.

When [registering](#) for the 2021 Virtual FinLit Conference, please note:

- You must register for each session you want to attend, including the State of Financial Literacy Education session.
- Please do not register for more than one session in a single time slot.
- If you want to attend more than one session in the same hour, don't worry, these sessions will be repeated through our regular NGPF VPD scheduling starting late April. To make for a cohesive and engaging experience, NGPF asks that you do not jump from session to session in the middle of an hour.
- For each session you attend, you will get [one \(1\) NGPF Academy credit](#); each session will also have a gift card raffle.

For a complete listing of session topics and to register to participate, please visit the [2021 NGPF Virtual Conference](#) site.

Be on the Lookout for Montana Career Pathway Approval Forms in Your Inbox

The Montana Career Pathway Approval Forms for Business & Marketing Education programs will start to be sent out this week. Beginning with the 2017-2018 school year, the Office of Public Instruction and the Office of the Commissioner for Higher Education made the transition to Statewide Pathways with the data within the Secondary Career & Technical Education (CTE) Participation Reports being utilized to approve Montana Career Pathways based upon the Secondary Programs of Study.

The Secondary CTE Participation Reports are developed utilizing the CTE course data in TEAMS. The data in the Secondary CTE Participation Reports, along with Career and Technical Student Organization student membership, is used to determine Montana CTE/VoEd funding levels for the next school year.

For Business & Marketing Education programs, there are five areas in which pathways can be developed—Arts, A/V Technology, and Communication; Business Management; Finance; Information Technology; and Marketing.

The courses within the Pathway Approval Form(s) are those most closely related to the suggested courses in the Montana Career Pathways' [Secondary Programs of Study](#). In reviewing the CTE Participation Reports and putting courses in the Pathway Approval Forms, all courses taught are listed in at least one pathway. If you would like to view all the courses within your CTE Participation Report, please let me know.

The Pathway Approval Form(s) arriving in your email will be an Excel file. If your program has more than one pathway, the Excel workbook will have a sheet for each pathway. Please be sure to review the data in each sheet.

With course offerings and instructional methods altered this year due to Covid, all the courses from the 2019-2020 school year were kept in the forms and any additional courses taught this year were added. If there are course listed which are no longer being offered, please update the form as needed.

Save the Date for the IEFA Best Practices Conference

The Montana Office of Public Instruction's Indian Education for All unit is excited to announce the [IEFA Best Practices Conference](#), May 15 and 16.

Each day will offer a keynote address from a high-profile Indigenous leader, followed by a 60- to 70-minute interactive presentation by an IEFA expert(s) and selected from a short list of offerings. The event will most likely be offered through Zoom, but other platforms will be considered for logistical and interactive enhancement. Some presentations will be offered on both days to increase availability of opportunity.

The conference will focus on the Essential Understandings, tribal resiliency, and honoring the accomplishments and perspectives of Montana's first peoples.

This event will be provided free of charge. [Registration](#) is now open. Please contact Joan Franke at 406.444.3694 or jfranke@mt.gov with any questions.

Access to the 2021 Revised Montana Content Standards

Resources are available for the newly adopted Career and Technical Education, Computer Science, Library Media, Social Studies, and Technology Integration Standards. The standards are now posted on the [K-12 Content Standards & Revision page](#). See individual content area pages to access the standards and other helpful information.

- [Montana Content Standards for Career and Technical Education](#)
- [Montana Content Standards for Computer Science](#)
- [Montana Content Standards for Library Media and Information Literacy](#)
- [Montana Content Standards for Social Studies](#)
- [Montana Content Standards for Technology Integration](#)

Model curriculum guides, professional development, an OPI Learning Hub course, and resources will be added throughout 2021.

Districts should consider their five-year curriculum review cycle in order to plan for a staggered approach to aligning to the new standards, and therefore, each district may adopt the new standards at different intervals. The implementation date for the new standards begins July 1, 2021.

Bring Glacier National Park to Your Classroom!

Bring Glacier National Park to your classroom. Sign up for a fun, interactive, and curriculum-based virtual program led by one of Glacier's Education Rangers. They are offering a variety of Distance Learning programs geared toward K-12th grade students, including wildlife, geology, habitats, or simply talking to a ranger.



[Visit the website](#) to learn more about Glacier's Distance Learning program and to register. They have live distance learning programs with K-12 classes through May.

Cyber.org Announces the Virtual Cyber Education Discovery Forum

[Registration](#) is now open for the [Cyber Education Discovery Forum](#) to be held virtually, June 21-23. The Cyber Education Discovery Forum is 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.



Attendees will spend their mornings in hands-on workshops led by CYBER.ORG Curricula Development Specialists. After lunch, attendees can choose from various breakout sessions, networking activities, and visit the virtual exhibit hall.

Cyber Education Discovery Forum highlights include

- Interactive workshops during the mornings
- Workshop supplies and conference swag bags will be 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
- Keynotes from education leaders

[Registration](#) is \$35.00. Please visit the [Cyber Education Discovery Forum](#) page for a listing of morning workshop topics and afternoon breakouts.

Celebrate Financial Literacy Month with Resources from EVERFI

April is Financial Literacy Month and EVERFI has resources to celebrate with your students.

Interested in learning about the financial education resources available at no cost to your district? Check out EVERFI's [Financial Literacy Month Hub](#).



EVERFI
**Financial
Literacy
Month**
Financial Skills for All Students

[Elementary](#), [Middle School](#), and [High School](#) Financial Literacy Month Calendars: These calendars provide teachers with 15-30 minutes of financial education every day for the month of April.

[First Day Deck to Introduce EVERFI's Resources](#): Educators can use this PPT deck for their first day using one of EVERFI's programs.

EVERFI recently announced the findings of a two-year efficacy study conducted by the University of Massachusetts Donahue Institute on our FutureSmart, middle school financial literacy program. The newly released findings from the study—which were also published in the [Journal of Financial Counseling and Planning](#)—affirm significant knowledge gain in the subject matter and advocate that more such learning be provided to students.

Upcoming Events & Opportunities

Women in STEM: In March, the NHL, NHLPA, and EVERFI hosted a Women in STEM event to celebrate professional women at the NHL who utilize STEM as part of their careers. After taking the Future Goals Program, girls are 28% more interested in pursuing a career in STEM in comparison to boys, who are 22% more interested after participating in the digital resource. To listen to the event, see the recording [here](#).

On-Demand Webinars: We know time is limited these days, so we have recently created [15-minute on-demand webinars](#) for educators.

Scholarship Opportunities: EVERFI and our network of K-12 Sponsors offer students more than \$100,000 in college savings scholarships annually. Encourage students to take advantage of these [opportunities](#).

CAREER SPARK: A College & Career Exploration Event for High School Students

[Gallatin College Montana State University](#) announces two college and career exploration events for high school students—Career Spark—April 28 and May 3 or 4.



On April 28, Gallatin College invites high school students to join an interactive live stream session to explore southwest Montana education and career options and learn tips for college and career readiness. Related virtual content and college and career exploration

resources will be accessible to attendees through May 28. The April 28 virtual event begins at 12 pm (MDT).

Gallatin College MSU will host a *limited capacity* in-person Open House, May 3 and 4, at their east campus location for interested students. Attendees will engage with instructors and industry partners to learn about more than 12 Gallatin College programs and employment opportunities they can lead to. The Open House will begin at 5 pm (MDT) both days. **Face mask and RSVP required.**

[RSVP](#) for the April 28 [Virtual Event](#) and/or for one of the [Open House](#) options, either May 3 or May 4.

For questions, please contact Gallatin College at 406.994.5536.

FREE Summer '21 Online Scratch Course—Learn for the First Time or Update Your Skills



The University of Northern Iowa's Department of Computer Science is again offering an online summer course [Intro to Programming with Scratch](#). The course is intended for teachers of all disciplines and grade levels (K-12) wanting to learn how to program with Scratch and ways to incorporate Scratch into their classroom.

The online course will run June 14-July 23, 2021. The course can be completed as an audit for free or receive graduate credit for \$100.

The course will utilize version 3.0 of [Scratch](#), which was released in early 2019. If you have used Scratch in the past and want to check out the updates in the new version, or if you would like to try Scratch for the first time, this is a great opportunity.

[Scratch](#) is a free, online, graphical programming language/learning environment that allows students to learn about computer programming and computational thinking without worrying about complicated syntax. It was created by the Lifelong Kindergarten Lab at the MIT Media Lab and is designed for students aged 8-18 but is used by programmers of a variety of age and experience levels.

This course is appropriate for teachers of all disciplines who teach grades 3-12 grade.

Participants will learn how to use Scratch for interactive art, animated storytelling, and game development. Previous programming experience is not a requirement for this course.

Please visit the [Intro to Programming with Scratch](#) course page for more details about the course and to pre-register.

Montana teachers can complete the course and either apply the graduate credit towards license renewal or get district approval to complete the course for OPI Renewal Units; 12 OPI Renewal Units can be earned by successfully completing the course via the audit (free) registration option.

Beauty and Joy of Computing Summer 2021 Virtual Professional Development Workshops

[Beauty and Joy of Computing](#) (BJC) is a College Board-endorsed AP Computer Science Principles curriculum and professional development based on the themes of creativity and social impacts. Since 2012, BJC at University of California Berkeley has provided professional development to more than 600 teachers throughout the U.S., reaching more than 5,000 students. BJC is excited to announce that this summer, they will be offering [two different workshops](#)—one for the middle/early high school curriculum, and the other for the high school curriculum.



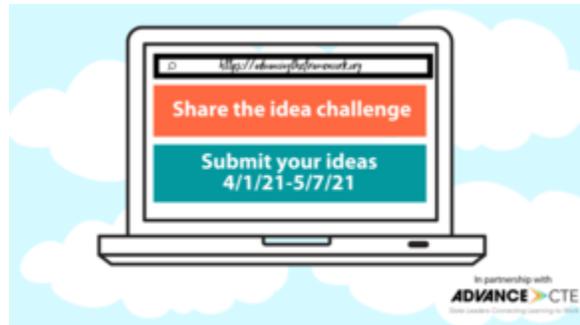
The Summer 2021 workshops will be held virtually and will be week-long sessions. [Multiple options](#) are available for the BJC high school curriculum with the virtual workshop for the middle/early high school curriculum being held July 19-23.

The workshops are free; however, a non-refundable \$75 registration fee is charged to hold your spot. All course materials and year-long ongoing support are free.

For eligible teachers participating in the Summer Middle School/Early High School workshop only, BJC is offering a \$1,000 stipend. Participants will receive half of the stipend (\$500) for completing the professional development and submitting research consents and pre-instruments at the beginning of the academic year. Participants will receive the other half of the stipend (\$500) for submitting mid-year instruments and post-instruments at the end of the academic year.

Contribute to a New National Career Clusters Framework Impacting Learners & the Workforce for Generations to Come

Today, Advance CTE is launching a crowdsourcing [portal](#) to modernize The Career Clusters® Framework. From April 1 to May 7, [Advance CTE](#) invites you to complete a set of idea challenges to ensure The National Career Clusters Framework (The Framework) bridges education and work, empowering each learner to explore, decide and prepare for dynamic and evolving careers.



Twenty years ago, the states and key stakeholders built and launched The National Career Clusters® Framework. Over the past two decades, Advance CTE has been its steward. The world of work continues to change rapidly, and it is time to modernize The Framework's structure and design to ensure its relevance for current and future needs of learners at all levels and of the workplace. Thus, Advanced CTE needs your help.

This effort is not designed to tinker around the edges, adding a new Career Cluster or renaming one of the existing Career Clusters. Advanced CTE is seeking to completely

reimagine the way The Framework is organized to reflect the current and future world of work.

Advance CTE is seeking bold and innovative ideas to help us construct a new, modern, and enduring Framework. Users will be able to submit responses to one or multiple different idea challenges, which are estimated to take from 15 minutes to an hour, depending on how many you choose to submit.

Once the [innovation portal](#) is closed, Advance CTE will review submitted responses and identify those to move forward to the next step, which is to build a set of prototypes for a new Framework. Advance CTE will then lead a collaborative process through 2022 to develop, populate and validate a renewed Framework.

Your voice and input are vital. Visit the [portal](#) to submit your idea today. Advance CTE thanks you for your collaboration in this important work.

Scratch Week 2021. Save the Date.

The [Scratch Team](#) has exciting news to share: [Scratch Week](#) is coming soon.

From May 17-23, the Scratch Team is hosting a weeklong celebration of Scratch, packed with virtual events and activities for Scratchers around the world. Stay tuned on the [Scratch Week site](#), where the latest information and scheduling details will be shared.



This year's events and activities are currently under wraps, but keep an eye on the [Scratch Week page](#) and [@Scratch](#) on Twitter for more information.

In the meantime, visit the [Scratch in Practice](#) and the main [Scratch](#) websites for ideas, resources, and tools for both teaching and learning computational thinking and coding skills using Scratch.

Registration is Now Open for the First Virtual Dual Enrollment Summit Hosted by UM

Calling all educators, staff, and administrators of high schools and colleges (two-year or four-year). The University of Montana Missoula College, along with the University of Montana Summer Office and Reach Higher Montana, invite you to save the date and join them virtually for the first-ever Montana [Dual Enrollment Summit](#) taking place virtually on June 17, 2021.

As some of you know, the Summit was originally planned for last summer, and due to the COVID-19 pandemic, the decision was made to move it from 2020 to 2021 to ensure the health and safety of our participants, speakers, and staff. In preparing for this year's Summit,



overwhelming response has been received to host it virtually for 2021, with the hopes of coming together in-person in 2022.

The [Dual Enrollment Summit](#) is a professional development opportunity for the educators, staff, and administrators of high schools and colleges. The Summit aims to provide an opportunity for connections and networking between college and high school faculty, staff, and administrators to support continuous improvement, quality, and rigor in dual enrollment course offerings to Montana high school students.

Registration is now open, and space is limited, so [sign up today](#). OPI Renewal Units will be available if requested. Please contact Jordan Patterson at jordan.patterson@mso.umt.edu with any questions.

The University of Montana also invites proposals for the Summit, with the sessions aimed at the professional development of others and common goals of celebrating the current successes and highlighting the best practices of dual enrollment in Montana, as well as improving the quality of Montana dual enrollment. For information on submitting a proposal, please click [here](#).

If you have any questions, please reach out to Jordan Patterson in the UM Dual Enrollment office at jordan.patterson@mso.umt.edu or to Becka Simons in the UM Summer Office at becka.simons@mso.umt.edu.

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 [here](#).

Fun Facts and Trivia

True to their name, the Antarctic Crocodile Icefish lives in the icy cold waters of the Arctic — and has icy-looking blood to match.

These fish all have heads that look a little like a crocodile — so they are sometimes called crocodile icefishes.

They have grayish, black, or brown bodies, wide pectoral fins, and two dorsal fins that are supported by long, flexible spines.

Most animals, like people, have red blood; the red is caused by hemoglobin, which carries oxygen throughout the body.

Crocodile icefish do not have hemoglobin; thus, they have a whitish, nearly transparent blood.

Their gills are also white.

Despite this lack of hemoglobin, crocodile icefish can still get enough oxygen, although scientists are not sure quite how; it could be because they live in already oxygen-rich waters and might be able to absorb oxygen through their skin, or because they have large hearts and plasma, which may help transport oxygen more easily.

The crocodile icefish's lack of hemoglobin was thought to be an adaptation to the extreme cold, but research now reveals that the lack of hemoglobin is a disadvantage, although not lethal.

The loss of red blood cells lowers the viscosity of the blood and the high solubility of oxygen reduces the demand for hemoglobin, but crocodile icefish have to spend twice as much energy circulating blood as other fish.

The first crocodile icefish was discovered in 1927 by zoologist Ditlef Rustad, who pulled up a strange, pale fish during an expedition to Antarctic waters.

They can grow to a maximum length of about 30 inches.

Another fairly unique trait for icefish is that they don't have scales.

This can aid in their ability to absorb oxygen through the ocean water.

Crocodile icefish inhabit Antarctic and subantarctic waters in the Southern Ocean off Antarctica and southern South America.

Even though they can live in waters that are only 28 degrees, these fish have antifreeze proteins that circulate through their bodies to keep them from freezing.

Crocodile icefish do not have swim bladders, so they spend much of their lives on the ocean bottom, although they also have a lighter skeleton than some other fish, which allows them to swim up into the water column at night to capture prey. They may be found in schools.

Crocodile icefish eat plankton, small fish, and krill.

For questions, please contact:

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

The OPI is committed to providing reasonable accommodations to people with disabilities. If you need a reasonable accommodation, require an alternate format, or have questions concerning accessibility, contact the OPI ADA Coordinator, 406-444-3161, opiada@mt.gov, Relay Service: 711.
