

Computer Science Talent Ecosystem Youth-Brown County

Issue 1 – August 2020

Welcome to the Computer Science Talent Ecosystem Youth – Brown County (CSTEY). With the launch of CSTEY this past February, we are continuing to move forward towards our goal of teaching all K-12 students computer science prior to graduating from high school. This initiative focuses on providing guidance and resources to all K-12 school districts within Brown County to build, grow, and integrate Computer Science (CS) pathways at all grade levels.

We are excited to share that American Family Insurance and the Community Foundation of the Fox Valley have joined in our efforts of building computer science opportunities in Brown County.

In our first newsletter, we are sharing numerous resources to assist teachers and staff learn about different events and training surrounding computer science. Take a moment to preview the different topics and take a deeper dive into those that pique your interest. Also, please feel free to share this content with others who may have an interest in helping to build and grow the K-12 computer science opportunities in Wisconsin.

We are excited to start our journey of bringing all students access to computer science. We welcome all organizations to join us on this journey.

Best regards,
Amy Bires
CSTEY Project Manager

FEATURED RESOURCE

Imagine Academy

FREE! The Microsoft Imagine Academy (IA) program provides industry-leading technology skills to help bridge the skills gap. With the Microsoft Imagine Academy (IA) program, academic institutions and their educators, students and staff get digital curriculum and certifications for fundamental technology skills -- as well as

courses critical for students to be successful in today's technologically evolving world. [Learn more about Imagine Academy program benefits.](#)

Here is an overview of the resources provided through the Imagine Academy. To participate in the Imagine Academy register through DPI by visiting <https://dpi.wi.gov/imagine-academy>.

See the attached PDF for more details surrounding the curriculum options provided through the Imagine Academy.

MICROSOFT RESOURCES

Microsoft Store – Virtual Events

FREE! Don't have a Microsoft Store near you? Worry no more! Microsoft Stores are now offering virtual workshops and training. Visit <https://www.microsoft.com/en-us/store/workshops-training-and-events> to see a listing of events for both staff and students.

Microsoft Educator Center**

FREE! Educators register for your free account at the [Microsoft Educator Center](#). Within the Educator Center, you will find a variety of resources including training, lesson plans, various programs, and resources. Look through the never-ending opportunities for both you and your students. A specific program to check out would be the [Microsoft Innovative Educator](#). Teaching staff are already primed to complete the Stem 1 pathway. Badges will be awarded upon completion and can be shared via social media.

Microsoft Learn**

FREE! An opportunity for both students and staff to explore different computer science learning paths. Learning paths are available for those who are just starting their journey or those who are experienced. Indicate your interests and Microsoft Learn will share with you recommended learning paths or courses. Industry certifications are also available at a cost.

Discover your path today. Visit <https://docs.microsoft.com/en-us/learn/> to start your journey.

***An excellent resource to share with students who may be interested in a new and self-paced challenge!*

UPDATES

CSforALL Workshop for School Districts

CSforAll is a national organization whose mission is to make computer science an essential part of the K-12 educational experience. Their SCRIPT – Strategic CSforALL Resource & Implementation Planning Tool assists school districts through various sessions to set goals to create or expand upon a computer science education implementation plan for their students.

Tina Lemmens from CESA7 and staff from the Howard-Suamico School District traveled to Texas in January to complete the SCRIPT Workshop and develop short- and long-term goals regarding their newly developed implementation plan. For more information regarding CSforALL please visit <https://www.csforall.org/>.

CSTEY will be hosting a CSforALL SCRIPT Workshop this fall. If your district is interested in learning more about the upcoming workshop, please complete the following survey. [CSforALL SCRIPT Workshop Survey](#)

Hour of Code & CS Education Week

Mark your calendar for December 7-13, 2020!

The Hour of Code is a one-hour introduction to computer science focusing on the concept that anybody can learn the basics of coding and increase awareness for the field of computer science. Join this worldwide effort to celebrate computer science.

Do I need to wait until December to participate in an Hour of Code event? No, you can host an Hour of Code all year-round. Visit <https://hourofcode.com/us> to start planning your event.

Stay tuned for more information regarding CS Education Week activities hosted through CSTEY.

Act 59

Are there students within your school district that earn industry certifications? If so, please learn more about the Career and Technical Incentive Grants offered through DPI. School districts can claim funds annually based on the number of students that meet certain criteria. Funding is limited to \$1000 per student regardless of the number of certifications the student earns.

For more information and to view the list of eligible certifications, please visit <https://dpi.wi.gov/cte/technical-incentive>

ORGANIZATIONS

Join the Wisconsin Dairyland - Computer Science Teachers Association (CSTA)

Check out and join the National and Wisconsin Dairyland CSTA Group to be connected with other CS educators and resources across the country.

National CSTA: <https://www.csteachers.org/>

Wisconsin Dairyland CSTA: <https://www.cstawisconsin.org/>

NCWIT & Aspirations In Computing Wisconsin

The National Center for Women & Information Technology has numerous resources available for all educators. Check out available resources and tools at <https://www.ncwit.org/>

The Aspirations In Computing Wisconsin group recently honored 101 high school females for their aspirations and efforts in computing technologies. These young women are now part of a national Aspirations community that includes over 20,000 young women since this program started nationally in 2007. Through networking efforts in place both locally and nationally, these young women continue to support one another through high school and post-secondary efforts and into their chosen careers. Visit <https://www.aspirations.org/aspirations-community/wisconsin> to learn more about how your school can become involved.

NEW Digital Alliance

Formerly the NEW IT Alliance, the NEW Digital Alliance continues to connect companies, academic institutions, and other organizations dedicated to inspiring people of all ages to pursue IT and digital careers in Northeast Wisconsin.

Visit <https://newdigitalalliance.org/> to learn more and view upcoming events.

Stay tuned for more information regarding the annual NEW Connect IT Fair, which will be held in November 2020.

ADDITIONAL RESOURCES

Virtual Learning – Remote Teaching Tips

The TEALS Remote Program has put together some best practices for remote teaching. Please visit <https://aka.ms/remotebestpractices> to view those recommendations.

With the outbreak of COVID-19, at CSTA we know that many of our members will be supporting their students remotely. Teaching CS is already difficult, and moving to a virtual environment can be challenging, so we have compiled a list of resources to help teachers support their students during this trying time. We encourage you to keep visiting this page for the most up-to-date resources. Visit <https://csteachers.org/page/csta-compiled-resources-to-support-teaching-during-covid-19/>

Get to Know TEALS - School Recruitment for 21-22

Interested in learning more about the Microsoft TEALS Program and how your high school could build and/or grow your computer science pathway? Join Amy Bires, Northeast WI TEALS Regional Manager as she hosts area teachers and volunteers to share their experiences with the program. Registration for these sessions will be available mid-August. Visit www.microsoft.com/teals for more information or email Amy Bires, Northeast WI TEALS Regional Manager. amy@tealsk12.org.

Get to Know TEALS Information Sessions:

- Thursday, September 17 @ 4:00 pm
- Tuesday, September 22 @ 4:00 pm

Social Media – Follow these groups

If you are on social media, specifically Facebook, there are two communities that I belong to which have been posting resources such as recorded videos, worksheets and online support.

FACEBOOK COMMUNITIES:

- AP Computer Science A Teachers
- Computer Science Educators