Welcome to the 2020 - 2021 STEMworks™ Code.org® Professional Learning Program

Mahalo nui for making the commitment to advance computer science education in your school and community!

We welcome you to our 2020-2021 STEMworks Code.org® Computer Science ‘Ohana! As the Hawai‘i Regional Partner for Code.org®, STEMworks™ is committed to advancing Computer Science (CS) K-12 education throughout our state.

Our STEMworks™ team is excited to help you kick off your CS journey with TeacherCon Hawai‘i – five days of hands-on training with local, experienced Code.org Facilitators who will introduce Code.org CS curricula and pedagogy and help you gain confidence in teaching CS in the classroom. Your training will also include four one-day workshops which will be held during the 2020-21 school year. To help you on your journey, you will have access to Code.org online tools, resources and forum, and you will join our cohort of supportive educators who are all dedicated to expanding CS for ALL in Hawai‘i.

Code.org® is a non-profit dedicated to expanding access to computer science and increasing participation by women and underrepresented minorities. It is supported by generous donors including Microsoft, Facebook, the Infosys Foundation, Google, Omidyar Network, and many more.

STEMworks™, a workforce development program of Maui Economic Development Board (MEDB), offers innovative curriculum, tools, resources, and training to engage, inspire, and motivate K-12 students, underrepresented inclusive of girls and groups toward Science, Technology, Engineering, and Math (STEM) careers, while empowering them to improve their communities and the world.

www.stemworkshawaii.org
Meet the STEMworks™
Code.org® Team

CS Fundamentals (CSF) Grades K-5
Shane Asselstine, Pearl City Complex Area | asselstine@pd.code.org
Shane is the Pearl City Complex Area Computer Science Specialist, HSTE President, CSTA Hawaii Chapter Past-President, Minecraft Global Mentor, and the Code.org K-8 Facilitator for Hawaii. He has been integrating computer science as part of his classes for many years providing students with a strong foundation through hands-on and digital practices. He presents locally and internationally with a focus on computer science and the use of technology in education. Shane was awarded the ISTE Making It Happen Award in 2015 and was a PAEMST 2017 nominee. Since becoming a trainer, he has trained over 900 teachers in Hawaii, helping them bring CS into the classroom.

Shana Brown, King Kaumuali‘i Elementary School | teachcode808@gmail.com
Shana is an innovative teacher leader with over 10 years of experience in all facets of elementary and middle school education including general education, intervention, electives, and special education. She started her career as a teacher in inner city Chicago and landed on the island of Kauai in 2014. She is passionate about elevating education to a place that will truly ensure ALL students have what they need to reach their goals. Anyone can code, everyone should.

CS Discoveries (CSD) Grades 6-10
Shane Asselstine, Pearl City Complex Area

Michael Fricano II, 'Iolani School | michael.fricano.ii@gmail.com
Michael is a Technology Integration Specialist (K-6), MakerEd educator, Google for Education Certified Trainer & Certified Educator (Level 1 & 2), and has been presenting on EdTech topics for more than 8 years. Michael was awarded the ISTE Making It Happen Award in 2015 on behalf of HSTE. He enjoys interacting and connecting with like-minded individuals through social media, is the 2016 President for the Hawaii Society for Technology in Education, the Hawaii Google Educator Group Leader, and a co-founder of EdCamp Honolulu and #EdChatHI.

CS Principles (CSP) Grades 9-12
Toni Marie Kauai, Ph.D., NBCT, Nā Hunaahi | tonimarie@kumukai.com
Toni has been teaching mathematics at the secondary level for the past 16 years and education methods classes at the post-secondary level for the past four years. Student creativity and imagination drives her passion for teaching computational thinking and computer science, and she looks forward to supporting you bringing these practices, knowledge, and skills into your classroom. Toni holds a Masters of Education in Educational Foundations: Private School Leadership from the University of Hawai’i at Mānoa and a Doctor of Philosophy in Integrative K-12 STEM Education from Virginia Polytechnic Institute and State University. She brings a background in design and creativity with over 10 years of experience of an Architect. She is a certified K-12 teacher trainer for Code.org.

Questions? Contact Code.org Regional Partner Managers at info@stemworkshawaii.org.
Your welcome packet includes a list of our 2019-20 and 2020-21 STEMworks™ Code.org CS ‘Ohana teachers.

Please support our local CS community!

Like Code.org on FaceBook at Code.org or STEMworks at STEMworksHI!

Follow Code.org on Twitter at @Code.org or STEMworks at @STEMworksHI! #CSforALL #CSforHI

Join our SLACK Hawai‘i Code.org Cohort at stemworkshi.slack.com and connect with local teachers across the islands for answers, inspiration and support!

Join your local Hawai‘i Computer Science Teachers Association (CSTA) Chapter!

For more information, visit www.csteachers.org.

Join Code.org Teachers Professional Learning Community to share best practices, questions, thoughts, ideas and inspiration as you implement Code Studio Curriculum! https://forum.code.org

As we encourage the CS K-12 educational pipeline, STEMworks™ is supporting statewide CSF workshops throughout the year. Please help us spread the word and have elementary school teachers sign up at http://bit.ly/CSF4HI to support a workshop in their community.
Save the Date

The quarterly Academic Year Workshops are a requirement of the Code.org Professional Learning Program. It is required to attend ALL FOUR follow-on workshops.

Workshops will be held on Saturdays from 8:30am to 4:30pm at Momilani Elementary School, 2130 Hookiekie St., Pearl City, HI 96782 (LOCATION SUBJECT TO CHANGE)

CS DISCOVERIES
1. SAT, SEPT 26, 2020
2. SAT, NOV 21, 2020
3. SAT, JAN 21, 2021
4. SAT, FEB 27, 2021

CS PRINCIPLES
1. SAT, SEPT 26, 2020
2. SAT, OCT 17, 2020
3. SAT, NOV 21, 2020
4. SAT, JAN 21, 2020

Why Code.org?

Introductory computer science curriculum that is accessible to ALL students. Aligned to 2017 CSTA Computer Science Standards. According to Code.org statistics, “Computing occupations are the number one source of all new wages in the U.S. and makeup over half of all projected new jobs in STEM fields, with Hawai‘i having 1,168 open computing jobs.” Since the average salary for computing occupations in Hawaii is $81,837, these occupations have a great potential to support a living wage.

Cosmic Christian

“A thorough understanding of Computer Science allows students to fully utilize all the tools and technology available to them to solve problems and build a better tomorrow.”

Questions? Contact info@stemworkshawaii.org.
“Computer science is everywhere, and students need to recognize this in order to be part of a healthy change in their lives. I want Honoka’a students to have better lives.” – Michael Yoshida, CS Principles

Resources

Resources, tools and events that support computer science and equity

- https://k12cs.org/
- https://www.csteachers.org/page/standards
- http://www.hawaiipublicschools.org/TeachingAndLearning/StudentLearning/CSforHI/Pages/default.aspx
- https://code.org/educate/resources/inspire
- www.ncwit.org/resources

Upcoming CS & STEM related Conferences and Events

4. Hour of Code (during CSed Week www.csedweek.org, December 7-13, 2020) – Sign up your school and be entered to win prizes! www.hourofcode.com

Check out www.stemworkshawaii.org/codeorg for updates and events!
Mahalo nui loa to our 2020-21 SPONSORS for supporting this opportunity valued by Code.org at $3,000!

Spontaneous Sandra
“I hope to encourage students to pursue their passions.”

Java Jeff
“I believe this allows everyone to think beyond the box.”

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