

CENTRAL NEW JERSEY COMPUTER SCIENCE EDUCATION HUB

Kick-Off Meeting

July 13th, 2022



CENTRAL NEW JERSEY COMPUTER SCIENCE EDUCATION HUB (CNJCSEH)

- Hosted at The Center for Excellence in STEM Education (The STEM Center) at The College of New Jersey (TCNJ).
- Our purpose is to increase equitable access to high-quality Computer Science Education to K-12 students across the state with a particular focus on Central New Jersey.
 - Goal 1 – Community, Leadership and Access
 - Goal 2 – K-5 Teacher Professional Development
 - Goal 3 – CS Outreach
 - Goal 4 – 6-12 Teacher Professional Development

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- **Funding**
 - CS for All: Expanding Professional Learning, New Jersey Department of Education; June 1, 2022 – May 1, 2023
- **Staff**
 - Tanner Huffman, Director
 - Rebecca Turner, Grant Administrator
 - Henry Harms, PD Coordinator and Project Lead
- **School District Partners**
 - Trenton Public Schools
 - South Brunswick Public Schools
 - Howell Township Public Schools
 - Hunterdon Central Regional High School District

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- Central New Jersey CS Education Hub (CNJCSEH) at TCNJ has agreed to provide our "Partner LEAs". We have been funded by NJDOE to, "provide high-quality, standards-based professional learning opportunities to K–12 educators at all stages of their careers and promote the expansion of CS education."
- We will accomplish this by providing:
 - Professional development (PD) opportunities for teachers on TCNJ's campus and/or remotely.
 - "The SCRIPT: Strategic CSforALL Planning Tool for School Districts" training.
 - Classroom materials such as physical computing devices (microcontrollers and other low-cost devices) if aligned with the PD.
 - Computer Science AP exam fee reimbursement (if applicable).
 - Participation in the NJDOE Computer Science Education "Working Group".
- Partner schools have priority access to the activities listed above. Access does not imply an obligation from the partner schools. As a partner school, the CNJCSEH at TCNJ requests that you (1) share and promote the activities to your faculty and staff, and (2) identify a point of contact for CNJCSEH related requests, news, and opportunities. The partner school point of contact will not be required to complete any additional work outside of the scope of their typical employment and participation is voluntary.

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- Goal 1: Increase the number of well-prepared, high-quality educators, both currently practicing and preservice, from diverse backgrounds to teach CS through regional engagement, access, and collaboration.
 - Enable a growing network of schools to have access to CS education through the sharing of resources, instructional best practices, and innovative funding practices.
 - Explore opportunities in CS preservice teacher education by collaborating with faculty within the School of Engineering and increasing access to CS teacher pathways.
- ACTION ITEM – Nominate a teacher to participate in the NJ DOE CS Education Work Group

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- **Goal 2: Provide high-quality professional learning workshops aligned to the disciplinary concepts of the 2020 NJSLS-CS for Grades K-5.**
 - The CNJCSEH will carry out a series of Elementary, K-5 NJ Essentials Workshops, with sessions directly aligned to the NJSLS-CS. The Elementary NJ Essentials Workshops will include the following:
 - Elementary Computing Systems
 - Elementary Networks and the Internet
 - Elementary Data & Analysis
 - Code.org Computer Science Fundamentals (CSF) Intro and Deep Dive will be offered to K-5 educators to support in Algorithms & Programming and Impacts of Computing.
- **ACTION ITEM – Recruit up to 3 teachers to participate in each available PD.**

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- Website, Next Steps, and Questions
 - www.centralnjcshub.org
- Contact Us!
 - For general questions, reach out to Dr. Tanner Huffman – huffmant@tcnj.edu
 - For partnership questions, reach out to Mr. Henry Harms – harms@tcnj.edu
 - For professional development questions, reach out to Mrs. Rebecca Turner – turner25@tcnj.edu



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