Partner4CS @ University of Delaware
Fall 2020 Professional Development

For Teaching Computer Science in K-12
You should apply if you are Delaware Valley K-12 teacher and plan to:

- Teach the CSP AP course
- Infuse computational thinking into an 8-12 math, science, or other courses
- Infuse computational thinking into K-8 curriculum

Fall 2020 Partner4CS professional development will:
- Model practical classroom activities to teach computational thinking in algorithms, data, abstraction, programming, and internet
- Provide training sessions in specific technologies, including beginning and advanced Scratch and Micro:bit
- Model proven pedagogy for teaching computer science concepts, including CS Unplugged and Increasing Diversity in CS
- Build a community of learners who teach computational thinking in K-12

How it works:
Every other Thursday, beginning Thursday September 24th through December 3rd, 2020. Held online from 4pm to 6pm.

Participate in parallel sessions of choice
$25 per hour of participation

Apply prior to September 15th, 2020 for priority at:
sites.udel.edu/partner4cs/
QUESTIONS: email partner4cs@udel.edu
Computer Science Principles Teacher Preparation:
Partner4CS will provide teachers preparation for using the CSP curriculum by Code.org. Sessions will be led by experienced teachers and our Partner4CS team.

Integrating Computer Science Into your Existing Curriculum Training:
Participants will design and practice educational activities for introducing computational thinking in their curriculum both with and without computers. This training is for teachers in grades K-12.

Model Teaching of CS Concepts and Skills:
Algorithms, Programming, CS Impact, Creativity, Data representation and manipulation, Abstraction, Internet

Model proven successful CS Pedagogy:
Inquiry learning, CS Unplugged activities, directed Scratch lessons that work in a diverse classroom, Pair programming model, open-ended Scratch projects, interactive Scratch projects, CS Unplugged Activities, Micro:bits and more.

Share, Reflect and Discuss:
The Computer Science Teachers Association (CSTA) Standards, mapping to the Common CORE standards, assessing student programming projects, recruiting for diversity in computing, making CS accessible to broad audiences

*Partner4CS is a National Science Foundation project that is part of the national CS10K initiative.*