



# Computing Science Education

**“I cannot thank you and the rest of the instructors enough for the course last week. It was a real eye opening experience and really has me thinking and motivated to make CS a bigger part of early education (pre-college). I was able to look and find ways to integrate the problem solving processes and think about using logic and the basics of computer science in everyday activities. I truly cannot thank you enough for the opportunity!”**

Veronica Kenny  
HIGH SCHOOL STEM TEACHER

Global demand for skilled workers in computing and cyber security fields is growing rapidly. Securing our cyber infrastructure, protecting our national security through data analytics, and improving the efficiency of our energy infrastructure are just three examples of how PNNL’s computing capabilities are currently being employed. With our large number of skilled professionals in computing and cyber security areas, PNNL is uniquely positioned to help inspire and prepare more students for careers in these areas.

The Office of STEM Education has piloted various efforts to expand and improve access to quality computing education opportunities for all students K-16+. Successful pilot efforts have been expanded into a multi-faceted effort that includes career-focused learning experiences for students and content workshops and professional development for educators. This effort also includes leveraging PNNL’s university partnerships to increase the opportunities for, and caliber of, computing education in local, state, and regional institutions.



This effort aligns in support of DOE and the nation to sustain a pipeline of highly skilled and diverse **science, technology, engineering, and mathematics** (STEM) workers.



For more information, visit:  
[www.pnnl.gov/stem](http://www.pnnl.gov/stem)



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