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Oregon Computer Science Teachers Association (OCSTA) sets out to Train over 400 Teachers and Grow Programs of Study in Computer Science Statewide.

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(Portland Oregon) – Based on many needs, including the requirements of the Oregon tech industry for qualified workers, the Oregon Department of Education (ODE) has awarded a 16 month, \$750,000 grant to OCSTA. Portland State University’s Maseeh College of Engineering and Computer Science will collaborate with OCSTA to increase access to grade 7-12 computer science education that meets the needs of industry and higher education institutions. The Willamette Educational Service District (WESD) serves as Fiscal Agent for the grant program, titled the Oregon Digital Promise (ODP). ODP will serve to support the expansion of regional Promise dual-credit offerings and give Oregon high school students a jumpstart to postsecondary outcomes.

The Oregon Digital Promise proposal submitted by OCSTA and WESD included 34 letters of support and seeks to leverage existing resources and partnerships to support the expansion of digital literacy and computer science instruction across the State’s middle and high schools. This work will involve collaboration between Promise regions, STEM Hubs, Career and Technical Education Regions (CTE), postsecondary and industry partnerships and will result in more grades 7-12 course offerings for digital literacy, computer science, and computer programming over the coming year.

The Oregon Digital Promise helps schools to expand Computer Science & engineering offerings and support the growth of CTE Programs of Study (PoS). Teacher trainings will be delivered using a hands-on project based approach through computer programming, game design, App Development, web design, CTE Curriculum and Pedagogy, 3D Makerspace, Digital Design & Fabrication and robotics. Research shows well-designed project-based instruction engages a wider variety of students for deeper learning.

The OCSTA flagship program, SuperQuest, is a series of highly collaborative technology training workshops designed specifically for K–12 educators and volunteer educators to learn computer

science teaching skills from instructors with current experience in the field. SuperQuests happen as two-day or three-day workshops that generally occur in the summer. They provide professional development for educators by teachers teaching teachers. The goal is to empower educators with the skills and classroom tools to implement hands-on technology learning directly in their classrooms or expanded learning programs. OCSTA has been bringing SuperQuest to Oregon's teachers for thirty years.

Regional SuperQuest Workshops (Check back [OCSTA - www.OregonCSTA.org](http://www.OregonCSTA.org) for information as registration becomes active May 1):

- June 22-24 - Wilsonville
- June 25 High Tech Education Symposium at Mentor Graphics in Wilsonville
- June 27-29 - Salem
- July 13-15 - Bend
- July 27-29 - Newport
- August 3-5 - Corvallis
- August 17-19 - Medford

A SuperQuest Workshop involves a 3-day workshop with successful computer science teachers that allow participants to experience and learn curriculum in a small professional community. Workshops and luncheon is grant funded, instructors and participating teachers will be paid. Graduate credit is offered for workshops such as Coding, Game Design, Robotics, Web Coding, Drones and Underwater Robotics, Arduino Micro-electronics, and 3D Makerspace.

The mission of the Oregon Computer Science Teachers Association (OCSTA) is to increase the number of Computer Science and Engineering programs in Oregon in order to give our students the opportunities for a career and college ready diploma. Our mission aligns with the Focused Program and Program of Study goals set by ODE, as well as with national CTE and industry. This lofty goal propels us to be collaborative and seek out partners, of which there are many in this proposal. The Willamette ESD and Willamette Promise Advisory Boards have worked tirelessly to improve opportunities for historically underrepresented students, foster a college-going culture, and provide a variety of accelerated college credit opportunities for students. The Oregon Digital Promise enables more cross-sector collaborations to create and expand industry partnerships, teacher training, and professional learning communities to better engage and develop student capabilities and aspirations.