

Department of Education
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Career Technical Education (CTE) Revitalization Grant Recipients and Programs

The eight grants awarded from the Career and Technical Education Revitalization Grant Fund (established in 2011 by HB 3362) will benefit 21 schools across Oregon with programs ranging from agricultural science to industrial automation, marketing to engineering, building and construction trades to visual art design. In selecting recipients, priority was given to proposals that demonstrated strong business partnerships, sustainability, and curriculum aligned with both Oregon Diploma requirements and the skills necessary for high-wage and high-demand careers in Oregon.

Revitalization of Crook County School District Manufacturing Engineering Program

Crook County High School, Crook County Middle School, Paulina Community School, Pioneer Alternative High School

Award Amount: \$234,900
Fiscal Agent – Crook County School District

Anticipated Matching Funds: \$140,000

The Crook County School District Manufacturing Engineering Program will engage students in contextual learning across a broad range of industry recognized technology disciplines and equip students with the personal, mechanical, and professional skills needed for success in **manufacturing and engineering careers**. Students will have the opportunity to earn college credit that can be applied to further postsecondary training and ultimately, an industrial certificate and two-year degree. This project restores a very successful program that was lost in June 2009 and expands it to serve two middle schools. Students will receive training on a Computer Numeric Control lathe and mill, laser engraver and industrial robot. New equipment will enhance student learning while engaging students through experiential and meaningful projects and activities. Students will also be tested using the National Career Readiness Certificate assessments. Business partners include Pro-Line Fabrication, Inc., Contact Industries, Dayspring Hardwood & Molding, Inc., Pioneer Memorial Hospital and St. Charles Redmond Medical Center.

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CTE Revitalization Grant Recipients
April 30, 2012
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Visual and Graphic Arts Design

Willamette High School

Award Amount: \$161,355
Fiscal Agent – Bethel School District

Anticipated Matching Funds: \$37,216

This project will shift Willamette High School's more traditional arts program to a rigorous CTE visual and graphic arts program intentionally designed to enable students to experience authentic career-related learning opportunities in essential interpersonal competencies. The two-year program will include newly developed coursework in **graphic design, digital photography and digital design**. Three of the courses will be articulated with Lane Community College and will enable students to enter postsecondary programs with credits. This project is designed to utilize industry standards and techniques. Students will be job-ready upon completion or they can continue on in postsecondary education. Willamette High School has partnered with several graphic design, marketing and architectural firms that will provide in-kind contributions, student mentoring, project review, internships and job-shadows. Business partners include Cawood Marketing and Design, Imagine Group, Nir Pearlson Architecture, Chris Stebbing Company and Verb Marketing.

Information Technology Careers in Rural Oregon

Joseph Charter School, Grant Union High School, Arlington Charter School

Award Amount: \$108,062
Fiscal Agent – Wallowa Education Service District

Anticipated Matching Funds: \$19,842

This project will develop a program to prepare rural high school students for workforce entry or postsecondary advancement in the field of **computer science and computer support specialist**. A critical and emerging need in rural regions is finding ways to attract skilled workers able to support the growing technology infrastructure in rural communities. A second key challenge is for small schools within these regions to find ways to provide cost-effective, relevant dual credit alternatives beyond those of a basic education. The program will leverage an existing partnership between Wallowa, Grant and North-Central Education Service Districts, known as the Frontier ESDs, that serves a remote area covering 11,400 square miles with students in 15 school districts. Students will engage in rigorous on-line coursework aligned to industry-defined skill sets and will be assessed using industry-standard certification exams. The program is designed to meet the need for building a skilled workforce of computer support specialists by establishing a viable school to work program in the rural communities. The program has partnered with the Wallowa County Health Care District and Blue Mountain Hospital District who will provide internships, job-shadows and some actual job-placements for graduates of the program.

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Industrial Automation and Control Systems Technology Project

Pine Eagle Charter School, Eagle Cap Innovative High School

Award Amount: \$153,326
Fiscal Agent – Pine Eagle Charter School

Anticipated Matching Funds: \$38,000

In Eastern Oregon, this award will support a collaborative effort involving three local companies, two colleges and numerous other local partners. This program addresses a need for home-grown, skilled labor and a shortage of qualified applicants to fill vacancies. The Industrial Automation and Control Systems Technology program will use dual enrollment instruction, work experience and pre-apprenticeship opportunities that lead to entry-level employment or advanced training for licensing, certification or an advanced degree. Programs of study will include **electronics and mechanization** taught by certified math, science and CTE teachers; industry professionals will lead specialty instruction and project-based learning. Instruction will focus on electrical engineering and electrical maintenance technician skill sets. Both schools will also feature “smart classrooms” where instruction may be updated and shared with other small schools in the region. This program will partner area businesses including Idaho Power, Pine Telephone Systems, and Alpine Alarm Communication and Construction.

Relevance and Rigor in New STEM Career Paths

Churchill High School, Eugene 4J School District

Award amount: \$424,766
Fiscal Agent – Eugene School District

Anticipated Matching Funds: \$10,000

This award will enable the Eugene 4J School District to develop an innovative science, technology, engineering, and mathematics (STEM) curriculum in which students will engage in authentic, problem-based engineering projects that are connected with working professionals in the community. The new **engineering and design** program of study will enhance two existing CTE programs and increase rigor in foundational math and science; it will be the first full-scale, coherent pre-engineering program in Eugene. The program will collaborate with engineers and consulting firms to ensure relevance and align curriculum and assessments to industry standards and workplace needs through, for example, hosting teachers in worksite immersion programs and developing and co-teaching STEM activities. Business partners include Balzhiser & Hubbard Engineers, APAZ Architecture, OBEC Consulting Engineers, and Life Technologies.

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Building the Pipeline Through Project-Based Learning

Kennedy High School, Mt. Angel Middle School, Silverton High School,
Mark Twain Middle School

Award amount: \$170,365
Fiscal Agent – Mt. Angel School District

Anticipated Matching Funds: \$30,650

Based on four different project-based learning curricula, this project will create and expand CTE programs at each of the partner schools. This partnership will enable new CTE programs in **pre-engineering, biomedical science/sports medicine, agricultural sciences, and business administration**. By sharing curriculum, infrastructure, professional development, and other resources, each school will be able to expand access to existing CTE programs and build entirely new programs; this approach will reach more students than each school would be able to achieve independently. The two middle schools currently do not have CTE programs. Award of the grant means both will begin providing a pre-engineering CTE program and one will also implement an agricultural CTE program. The high schools will expand their existing programs and will share facilities and teachers so that students at each school are able to access both programs. Business partners play a variety of roles, including reviewing student projects, hosting site visits, giving classroom presentations, providing internship opportunities, and providing financial support. Partners include Cote Chiropractic, Evergreen Aviation, Silverton Hospital, Mt. Angel Fire Department, Mt. Angel Telephone, Mt. Angel Chamber of Commerce, Riedman Home Construction, Silverton Area Chamber of Commerce, Premier Custom Homes, Kraemer Farms, Annen Bros., and Givaudan.