

CTE IN NEWBERG

Newberg Public Schools | CTE 21 Grant Progress Report | May 27, 2015

Welcome ODE

- 1:30 Welcome
- 1:45 Partner interviews
- 2:15 Visit PLTW class
- 2:30 Grant update
- 3:00 "8th Period" Camp
- 3:15 Champions for STEM
- 3:45 Wrap-up & next steps

Project Lead the Way

- 68 student completing new Intro to Engineering Design
- 65 students signed up to take Intro to Engineering next fall
- 35 students will take the new Principles of Engineering class
- Equipment purchased, teacher selected and signed up for training for new Principles of Engineering class

Champions of STEM

Twenty educators in every building are immersed in STEM practices and equipped with instructional strategies and a shared philosophy of STEM teaching & learning. A K-12 STEM action plan is ready to go!



NHS students tour A.R.E. Manufacturing with CTE 21 Advisory Team member Alvin Erickson

CTE 21 Advisory Team

The CTE 21 Advisory Team is a community partnership that exists to inform and sustain the career and technical education of Newberg High School students, as well as increase the career-readiness of its graduates. The team is comprised of local business and industry partners, and Newberg Public Schools educators.

Goals

- Leverage the input and expertise of our business and community partners to create relevance and coherence in the CTE system at Newberg High School.
- Develop a regional certification process for workforce readiness and trade-specific skills.
- Sustain and expand the CTE programs of study at Newberg High School.

Contact: Andy Byerley, STEM Grant Coordinator at 503.554.4703 or byerleya@newberg.k12.or.us



Hands-on at D & S Plastics, Newberg

School to Business

The CTE grant supported the re-establishment of the School-to-Business program at Newberg HS. The new coordinator is networking and engaging area businesses and industry as partners and volunteers.

Student found Cadet Teaching, paid work experience and internship opportunities. Field trips to career and industry fairs, job sites and business locations brought students closer to career and workplace opportunities. The School-to-Business program is establishing the groundwork for a new mentorship program beginning this fall.

Middle school after-school camps

After-school camps held at the high school were a perfect way to introduce middle school students to CTE. This year:

- 153 students attended six different camps
- Teachers and partners delivered hands on learning about Stream Restoration, Create Your Own Business Plan, 3D Printing, Six Weeks of Code and Crowd Funding.

Partners, educators share knowledge

The CTE 21 Advisory Team is helping Newberg educators grow and sustain a career and technical program that serves students and local employers. Here's a sample of the responses to questions that will help guide the future development of CTE in Newberg schools:

What support does your organization need from Newberg HS in order to create a mutually beneficial partnership?

"Not just a job shadow" "Consistency"

What current or emerging industries in the Newberg region should we place our focus for workforce development?

"IT skills" "Robotics, automation"

What employability skills (i.e. "soft skills") are most important for the 21st century learner?

"Creativity" "Citizenship" "Respectful attitude" "Reliability"

What job-specific and/or technical skills are most important for new hires in your organization and line of work?

"Computer skills" "Research" "CAD and 3D modeling" "Design"



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