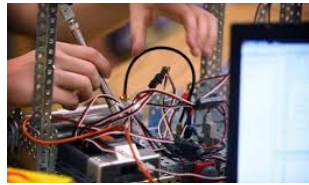




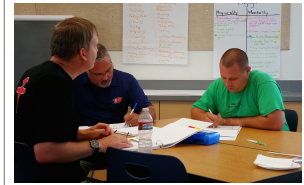
GETTING MIDDLE SCHOOL STUDENTS EXCITED ABOUT CTE



IMPLEMENTING NEW PATHWAYS TO ENGINEERING



ADDING RELEVANCE TO LEARNING WITH PARTNERSHIPS



EXPANDING SCHOOL CAPACITY FOR STEM

# NEWBERG CTE GRANT

## Welcome ODE

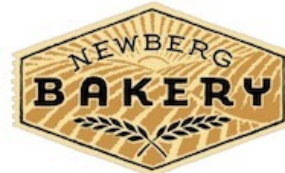
## We our Partners

### Site Visit Agenda

- 1:30 Welcome and Grant Overview
- 2:00 Implementing Project Lead the Way
- 2:15 Champions for STEM
- 2:30 School-to-Business and Community Partners
- 3:00 "8th Period" Middle School Camp
- 3:30 Looking Ahead

### By the Numbers

- 30 Student internships
- 85 Local business partners
- 135 "8th Period" participants
- ## Project Lead the Way students
- 2 New Project Lead the Way teachers
- 21 Champions for STEM
- 30 Student interns & cadet teachers



## Pathway to Engineering

Two NHS teachers spent much of their summer learning the nationally recognized, award winning Project Lead the Way engineering curriculum. Teachers Paul Schierholtz and Michelle Poletski are teaching Introduction to Engineering Design to two full classes. Principles of Engineering will be added next year. Both courses provide a solid foundation for engineering courses at NHS. The grant provided teacher training, course materials and outfitted a new classroom for Project Lead the Way courses.

## School to Biz Partnerships

Vicki Peterson has hit the ground running as Newberg High School's School to Business Coordinator. She is matching students with local companies for internships and working with PCC and Clackamas Community College to give students dual high school and college credit for the internship. Class speakers from Climax helped celebrate National Manufacturing Day. ODOT is arranging for students to be on hand when bypass contractors set the bridge spans next week. Chehalem Valley Chamber representatives are working with Vicki to develop a mentoring database to help connect high school students with businesses for advice and mentoring resources.

## CTE After School

"8th Period" is the new after-school camp for middle school students to explore CTE programs. Currently 122 students are enrolled in the six-week camps. Community partners are working directly with teachers to give students unique hands-on learning experiences. The City of Newberg, A-dec, Climax, Newberg Bakery and CodeMonkeys are helping students learn about stream restoration, creating a business, product design, 3-D printing, coding and crowd-funding at the middle school camps.

## Champions for STEM

Ongoing, job-embedded professional learning for 20 educators from all schools and grade levels is beginning to increase teacher effectiveness and the capacity for STEM in K-12 classrooms. Newberg is looking at this as a replicable model for instruction and considers it one of the strongest returns on the investment of CTE grant dollars.

### STAY CONNECTED



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### CALENDAR

Jan. 16 - Chamber @ NHS

Feb 10 - ODE Site Visit

Feb/Mar TBA - "8th  
Period" CTE Showcase

March 11 - 9:30am CTE  
Grant Quarterly Meeting

June 9 - 9:30am CTE  
Grant Quarterly Meeting

June TBA - "8th Period"  
CTE Showcase