



**GETTING MIDDLE  
SCHOOL STUDENTS  
EXCITED ABOUT CTE**



**IMPLEMENTING NEW  
PATHWAYS TO  
ENGINEERING**



**ADDING RELEVANCE  
TO LEARNING WITH  
PARTNERSHIPS**



**EXPANDING SCHOOL  
CAPACITY FOR STEM  
TEACHING-LEARNING**

# CTE GRANT UPDATE



## Making an impact in the classroom

Spending \$496,266 in a single school year is harder than it sounds! Newberg's CTE grant coordinator, Andy Byerley, has spent the last four months purchasing equipment and technology, arranging for teacher training and outfitting a new CTE classroom the the high school.

Here's a brief recap of the four grant areas so far this year.

Newberg teachers  
focused on



## 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 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 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 have taken or are enrolled in the first two six-week camps. Community partners are working directly with teachers to give students unique hands on learning experience. The City of Newberg, A-dec, Climx and CodeMonkeys are helping students learn about stream restoration, creating a business, product design and 3-D printing, coding and crowd-funding in the middle school camps.

## Champions of STEM

Ongoing, job-embedded professional learning for 20 educators is beginning to increase teacher effectiveness and the capacity for STEM in K-12 classrooms. Newberg is looking at this as a model for future teaching and learning 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  
Greeters @ NHS

Feb TBA - "8th Period"  
CTE Showcase

March 11 - 9:30am CTE  
Grant Quarterly Meeting

June 9 - 9:30am CTE  
Grant Quarterly Meeting