

# Career Connected Learning & STEM: Lunchtime LEVinar January 2017





# Career Connected Learning

What is it? Why is it important?

Examples

# How can you get involved?

Legislative Session & Summit

## Q&A





# Career Connected Learning: What is it?



# CAREER CONNECTED LEARNING | DEFINITION

**Career Connected Learning** is a continuum of awareness, exploration, preparation, and work experiences developed through strong public and private partnerships. Participants develop, apply, and are assessed on academic, technical, trade, and entrepreneurial skills that support their future career success.



# CAREER CONNECTED LEARNING FRAMEWORK

Student pathways to great jobs



## career awareness LEARNING ABOUT WORK

Career Awareness experiences are those that help students build awareness of the variety of careers available. These activities are normally defined as one-time interactions with partners for a student or group of students.

### ACTIVITIES MIGHT INCLUDE:

Career Presentations  
(Panels + Speakers)

Career Fairs

Worksite Tours

## career preparation LEARNING THROUGH WORK

Career Preparation experiences support college and career readiness and include extended direct interaction with professionals from industry and the community. These experiences are designed to give students supervised practical application of skills and knowledge and often occur in CTE courses.

### ACTIVITIES MIGHT INCLUDE:

Cooperative  
Worksite Learning

Instructional  
Worksite Learning

Distance/Virtual  
Internships

Extended Learning

Internships

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## career skills training & education LEARNING IN WORK

Career Training experiences prepare students for employment in a specific range of occupations. Career Training experiences often occur after high school.

### ACTIVITIES MIGHT INCLUDE:

Clinical  
Experience

On-the-Job  
Training

Apprenticeship

## career exploration LEARNING FOR WORK

Career Exploration provides students with short term direct interaction with partners and the opportunity to explore career options in a way that contributes to motivation for learning and informs students' decisions about further experiences and educational options.

### ACTIVITIES MIGHT INCLUDE:

Informational  
Interview

Networking  
Events

Job Shadow

Career Prep  
Workshop

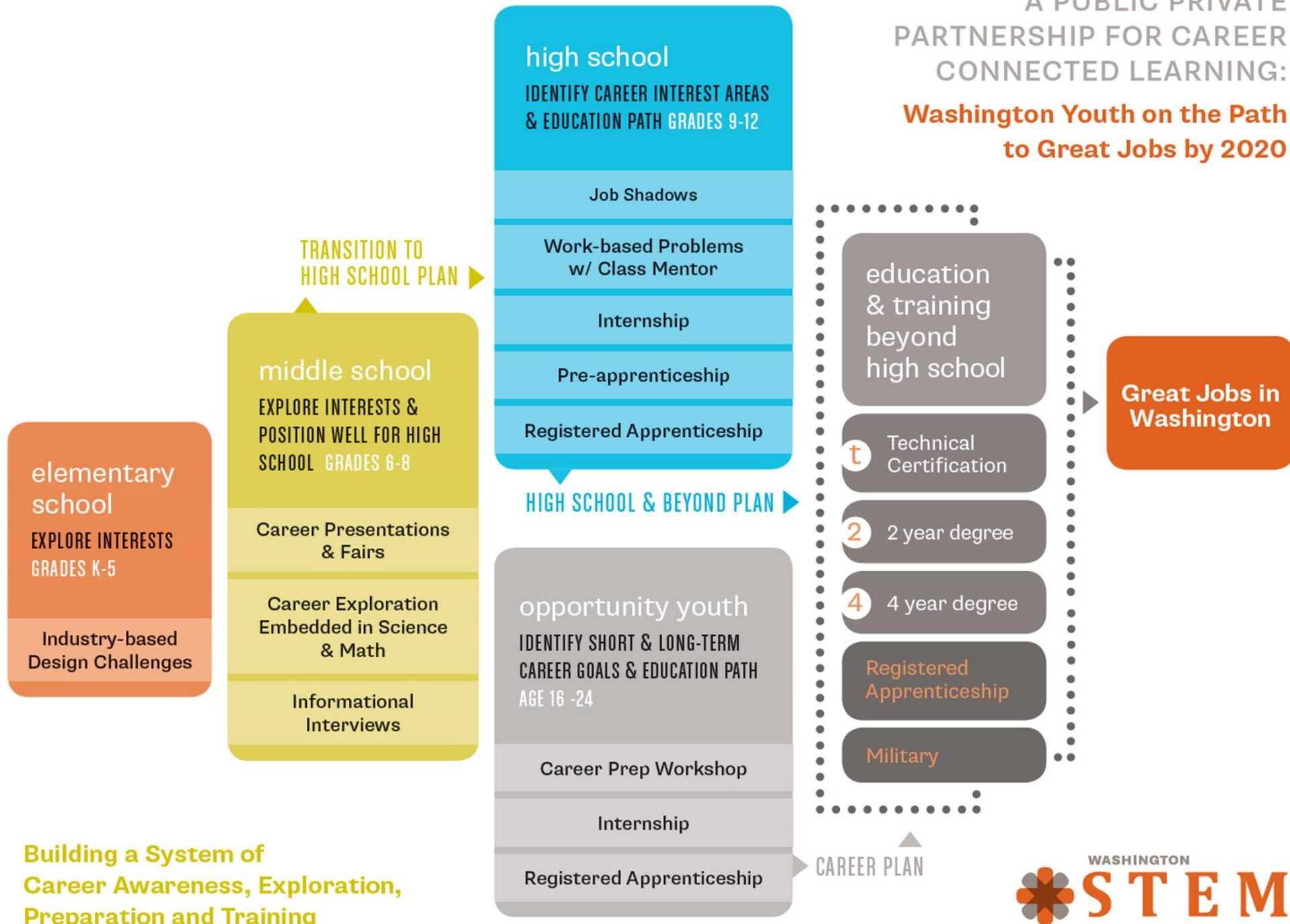
Work-based  
Problems with  
Classroom  
Mentoring

CCLs Embedded in  
General Ed Class

Adapted from ConnectED Studios:  
[www.connectedstudios.org/url-zvlwjKfwKIRqX3P7h-1fUaLqZX4Ww5GZSbdZZEQI](http://www.connectedstudios.org/url-zvlwjKfwKIRqX3P7h-1fUaLqZX4Ww5GZSbdZZEQI)

A PUBLIC PRIVATE PARTNERSHIP FOR CAREER CONNECTED LEARNING:

**Washington Youth on the Path to Great Jobs by 2020**



**Building a System of Career Awareness, Exploration, Preparation and Training**





# EXAMPLES

Career Connected Learning will provide a suite of experiences through CTE courses, general education classes, and out of school settings. For example:

## elementary school

EXPLORE INTERESTS  
GRADES K-5

5th graders help Taylor Shellfish design sustainable farms

Teachers receive professional development and curriculum resources focused on industry-based design challenges

## middle school

EXPLORE INTERESTS & POSITION  
WELL FOR HIGH SCHOOL GRADES 6-8

7th graders learn about careers that pioneer clean energy solutions and visit The Boeing Company and Avista

## high school

IDENTIFY CAREER INTEREST AREAS  
& EDUCATION PATH GRADES 9-12

10th graders gain career readiness skills through an industry mentor and prepare for an internship or pre-apprenticeship

## opportunity youth

IDENTIFY SHORT & LONG-TERM  
CAREER GOALS & EDUCATION PATH  
AGE 16-24

Out of school youth earn a HS diploma and on-the-job skills through YouthWorks



# How can you get involved?





# Legislative Opportunities to Advance Outcomes & Equity

## Career Connected Learning

Create a 1:1 public-private matching fund to connect students with career goals & pathways

## Career & Technical Education

Fund effective Career & Technical Education with priority for high-demand fields of study

## Computer Science

Continue & expand 1:1 public-private matching fund for computer science education



# Career Connected Learning Summit

**May 31**

**Redmond Microsoft Campus**

**Learn about best practices for career connected learning**

**Hosted by Governor Jay Inslee**



# Q&A





# Questions?

**Caroline King:**  
**[caroline@washingtonstem.org](mailto:caroline@washingtonstem.org)**

**Gilda Wheeler:**  
**[gilda@washingtonstem.org](mailto:gilda@washingtonstem.org)**



# STEM = FUTURE READY: WASHINGTON STEM LEGISLATIVE PRIORITIES 2017-2019

Washington legislators have a historic opportunity to prioritize the investments that matter most – closing opportunity gaps, bolstering student opportunity and success, and building the robust next generation talent pool urgently demanded by employers. STEM (science, technology, engineering, and math) is at the heart of these solutions. 2013's HB 1872 authorized a comprehensive initiative to improve educational outcomes in STEM: now is the time to fund this initiative. The nonprofit Washington STEM recommends catalytic investments to improve STEM capacity and opportunity for youth cradle to career.



## EXPAND ACCESS TO COMPUTER SCIENCE EDUCATION

**Need:** Computer science—the ability to code, create algorithms, and analyze big data—is a core component of many of our state's hottest jobs. It is foundational to many other fields, both analytical and artistic.

The \$2 million 2015 state investment in computer science education matched with a \$2 million private investment provided computer science education access to 11 percent (118,524) of Washington students. The other 89% of Washington students deserve computer science learning opportunities.

### Solution:

- Triple the K-12 Computer Science education public-private grant program (\$6M in Governor's budget proposal)
- Washington STEM commits to secure and align matching funds to double state investments
- Focus on access for underrepresented, low income, and rural students
- Provide technical assistance and training for grantees
- Evaluate and share best practices; create models for scale

**Impact:** Allow 50 percent (500,000+) of Washington students to access computer science education, while accelerating the path to 100 percent access statewide.



## CONNECT STUDENTS WITH CAREER GOALS AND PATHWAYS

**Need:** Most young people in Washington, especially youth of color and from low income or rural communities, do not have access to the career connected learning experiences that foster engagement in school and interest and preparation for high-demand careers. Employers, educators, and community organizations need support to deliver at scale high-quality internships, job shadows, design challenges, youth apprenticeships, expanded learning opportunities, and technical training.

### Solution:

- Create a public-private career connected learning fund to engage and connect students with the new economy (\$6M in Governor's budget proposal)
- Washington STEM commits to secure and align matching funds to double state investments
- Focus on access for underrepresented, low income, and rural students
- Support educators with professional learning and industry and environmental design challenges aligned to science standards
- Incubate and expand successful regional programs; create models for scale

**Impact:** 50,000 students across the state will benefit, with success measured by increased interest in high-demand careers, increased high school graduation rates, and increased completion of training credentials such as youth apprenticeships and internships. Aligned regional efforts and scalable best practice models will create a systemic approach for fostering career interest and preparation among youth statewide.

## CRADLE-TO-CAREER STEM PRIORITIES



### START STRONG

Washington should ensure every student starts strong by investing in high-quality early learning

- Expand access to high-quality preschool for low-income three and four year olds (ECEAP)



### GRADUATE HIGH SCHOOL INSPIRED AND PREPARED

As Washington steps up to fully fund K-12 basic education, targeted and equity-focused investments will ensure new state dollars drive better outcomes: closing opportunity gaps and preparing students for a successful future

- Triple the K-12 computer science education grant program through a public private matching fund
- Create a public-private career connected learning fund to expose and connect students to the new economy
- Fund Career and Technical Education with priority for high-demand fields of study
- Continue capital investments to provide students access to cutting edge STEM classrooms and labs
- Expand allowable uses of learning assistance funds to support STEM
- Sustain and increase expanded learning opportunities (ELO)
- Direct basic education funds to drive equity



### COMPLETE A FUTURE READY DEGREE OR CREDENTIAL

Washington should also focus on increasing opportunity and attainment for students seeking postsecondary and training credentials in high-demand STEM fields

- Expand successful MESA community college pilot
- Allow students seeking two-year degrees and credentials in high-demand STEM fields to utilize Washington State Opportunity Scholarships (WSOS)
- Increase capacity and support for technical, two- and four-year high-demand STEM degrees and credentials, including the WTIA Apprenti Registered Tech Partnership Apprenticeship
- Fund the State Need Grant