

Knue, Tim

Page: Basic Information

Nominator Information

Please provide your information as the nominator of this partnership.

Your Name

Knue, Tim

Email Address

timknue@gmail.com

Title

Executive Director

Employer

Washington ACTE

Phone Number

3607869286

Your Relationship to the Partnership?

I have observed and worked with MIC and Boeing in the development and implementation of "CORE-Plus" curriculum in Washington State.

The Partners: Business & Industry

Please provide basic information on the business and industry organizations involved in the partnership.

Business/Industry Partner 1

Business/Organization Name

The Boeing Company, Workforce Development, K-12 Focal

Address

700 S Renton Village Place
Renton Washington 98055 US

Website

www.Boeing.com/Washington

Main Career Clusters within Industry

Agriculture, Food & Natural Resources, Education & Training, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics

Point of Contact

John J. Turner

Title

Commercial Airplanes | Manufacturing & Safety Manufacturing Manager – Workforce Development & Integration

Email

john.j.turner2@boeing.com

Business/Industry Partner 2 (if applicable)**Business/Organization Name**

Manufacturing Industry Council (MIC)

Address

6770 East Marginal Way S
Ste B-113
Seattle Washington 98108 US

Website

<http://seattleindustry.org>

Main Career Clusters within Industry

Agriculture, Food & Natural Resources, Manufacturing, Transportation, Distribution & Logistics

Point of Contact

Dave Gering

Title

Executive Director

Email

dgering@seattleindustry.org

Business/Industry Partner 3 (if applicable)

Business/Organization Name

Address

Website

Main Career Clusters within Industry

Point of Contact

Title

Email

Provide information on any other additional business & industry partners not listed above. Also, please use this opportunity to briefly explain the unique roles of these businesses in the partnership (if there are more than one involved.)

The Partners: Educational Institutions & Programs

Please provide basic information on the educational institutions and/or programs involved in the partnership.

Education Partner 1

Educational Institution/Program Name

Office Superintendent of Public Instruction (OSPI) – CTE Division

Address

600 Washington St. S.E.
P.O. Box 47200
Olympia Washington 98501 US

Website

<http://www.k12.wa.us>

What type of institution is it? (If a program, where is it offered?)

Middle School, High School

Point of Contact

Dennis Wallace

Title

Program Supervisor

Email

dennis.wallace@k12.wa.us

Education Partner 2 (if applicable)**Educational Institution/Program Name**

Washington Association for Skilled and Technical Sciences (WASTS)

Address

PO Box 315
Olympia Washington 98507 US

Website

<http://www.wasts.us>

What type of institution is it? (If a program, where is it offered?)

Middle School, High School

Point of Contact

Chris Names

Title

President

Email

bcnames@seattleschools.org

Education Partner 3 (if applicable)

Educational Institution/Program Name

Address

Website

What type of institution is it? (If a program, where is it offered?)

Point of Contact

Title

Email

Provide information on any other education partners not listed above. Also, please use this opportunity to briefly explain the unique roles of these educational institutions/programs in the partnership (if there are more than one involved.)

1. What problem was this partnership developed to solve?

Workforce needs for manufacture sub-contractors and Boeing in the Seattle/Puget Sound area were limiting the ability to take on new contracts. Beginning in 2010 the Manufacturing Industry Council (MIC) in support of its members identified a major contributor to the problem being the lack/loss of “shop” CTE classes in the public schools (K-12) in Puget Sound area. In researching how this came about over time they identified several causes; cost of programs, lack of industry accepted curriculum, shortage of quality instructors, and schools teaching to advanced manufacturing standards.

2. What steps were taken to get the partnership started?

In response to the problem MIC reached out to Boeing and other companies in their organization, as a result they began to create “CORE Plus” curriculum for CTE manufacturing programs. This work was based/began with current Boeing training curriculum and done in conjunction with OSPI CTE Division, our CTE manufacturing cluster instructors association to develop an industry vetted and accepted curriculum. They also developed the professional development needed to transform willing “shop” programs in our state and to assist school districts interested in reserecting high quality CTE manufacturing programs in their schools. This initiative has also reached out to our community college "work-alike" partners to articulate K-12 CTE with post-secondary programs.

3. Describe how the partnership was designed to support high-quality CTE.

MIC (Dave Gering) conducted a study of the status of CTE (shop) programs available in Seattle and the local area in 2010 that was co-sponsored the Workforce Development Council of Seattle-King County and the City of Seattle Office of Economic Development that demonstrated the need to engage in the work that ultimately created the CORE Plus initiative and curriculum.

MIC and with financial and personnel help from Boeing, which assigned Dan Parker as their lead in devloping and pulling together aerospace sub-contractors in the state, OSPI, Washington ACTE, manufacturing educators and curriculum writers to develop the CORE Plus curriculum that identified, validated and reviewed current Boeing curriculum for technical, academic and employability knowledge and skills needed by students and industry.

4. What were the results of the partnership? What was innovative about the partnership or its output? How did it benefit students and the community?

As CORE Plus has been rolled out in Washington the appropriate industry and academic assessments and recognized postsecondary credentials have been created to articulate to post-secondary CTE programs and provide input on further education and training necessary for career pathways and currently bringing Youth Apprenticeship (WBL) opportunities supported by CORE Plus. Boeing this year sponsored and hosted an apprenticeship signing day for students from each of our 49 legislative districts in the state. This curriculum has been approved by the Washington State Board of Education for equivalency credit to meet the Math, Science and English Language Arts credit requirements for high school graduation. This greatly expands the options for CTE students to participate in manufacturing classes using the CORE Plus curriculum.

As a component of CORE Plus professional development for teachers, training programs is sponsored throughout the year by MIC and Boeing, which include oportunities for “externships” for teachers hosted by various manufacturing companies in the state.

For students, Boeing and other contractors have hired over 600 high school students who have completed the program directly from high school and continue to expand their yearly hiring goals for CORE Plus completers.

5. What were the lessons learned during the process of building the partnership? What would you have done differently?

Lessons learned are numerous, primarily the need to have both education and industry understand the parameters and limitations within both systems. The greatest frustration was in the pace of change for education to move in new directions and accept the pace of business and industry.

From the Washington ACTE perspective we hope we can use lessons learned by CORE Plus to replicate this process of bring industry with new investments into other career cluster areas as an example of "how-to" go thru a similar process in other sectors like IT, Healthcare and others to improve outcomes for both our students and key Washington State industries.

6. Is this partnership sustainable? How do you anticipate it will change in the coming year(s)?

MIC and Boeing are "all in" on the further develop and implementation of CORE Plus across the state and continue to provide time, talent and resources in advancing the work. The "Plus" is part of the program/curriculum name as they move into supporting advanced manufacturing for maritime , agriculture and construction sectors.

7. How long did it take to create this partnership?

1 - 2 years

8. How large of an investment did the businesses and other partner(s) involved make in this partnership (time and money)?

Over the last 8 years a great deal of time, resources and investment have been made in advancing this work, Boeing initially invested \$750,000 in the work and both organizations currently have several dedicated staff working to advance the work. As well as being strong partners in lobbying for increases in CTE funding to support all CTE programs of study with the state legislature.

9. Would you or an associate be willing to present a session at an ACTE event about this partnership?

Yes