

## Aerospace Assembler Program Grants

- Purpose:**
  - To increase the quality and rigor of secondary career and technical education in support of Aerospace and Advanced Manufacturing occupations
  - Develop knowledge, skills, and abilities necessary for industry employment.
  - Expand access to and awareness of the opportunities offered by high quality career and technical education, and
  - Create an aerospace/manufacturing pipeline to employment, which utilizes an organized program of study
  - Provide for Professional Development of Instructors to better deliver Aerospace/Advanced Manufacturing instruction.
- Description of services provided:** Grants to provide funding for annual start-up or expansion of Aerospace manufacturing programs, other high skilled programs as determined by OSPI or for professional development of such programs. Participating start-up high schools must agree to offer the aerospace manufacturing or other high skilled manufacturing based programs to students by spring semester of the 2017-2018 school year.
- Criteria for receiving services and/or grants:** Schools must agree to offer the aerospace assembler training program to students by spring semester of the school year 2017-18. Instructors must attend Core Plus Professional Development Opportunities scheduled throughout the year.

### Funding Details by Fiscal Year

#### Beneficiaries in 2017-18 School Year:

# of School Districts:	21
# of Schools:	25
# of Students:	1825
Other:	00

# of OSPI staff associated with this funding (FTEs):	00
# of contractors/other staff associated with this funding:	00

FY 18 Funding:	State Appropriation:	\$450,000
	Federal Appropriation:	\$0.0
	Other fund sources:	\$0.0
	TOTAL (FY18)	\$450,000

- Are federal or other funds contingent on state funding? If yes, explain.** No. There are no federal funds explicitly for this work.

## 5. State funding history:

Fiscal Year	Amount Funded	Actual Expenditures
FY18	\$450,000	\$448,847
FY17	\$450,000	\$364,426
FY16	\$450,000	\$360,602
FY15	\$450,000	\$395,528
FY14	\$450,000	\$368,847
FY13	\$450,000	\$357,495

## 6. Number of beneficiaries (e.g., schools, students, districts) history:

Fiscal Year	# of Districts	# of Schools	# of Skill Centers	# of students
FY18	21	25	3	1825
FY17	6	9	6	863
FY16	6	6	4	633
FY15	6	9	4	422
FY14	12	9	4	410
FY13	12	12	2	588

7. **Programmatic changes since inception (if any):** The legislature changed the allocation amounts in the second year of funding from \$300,000 providing 10 grants worth \$30,000 each to \$150,000 providing 6 grants worth \$25,000 each. In the 16-17 school year the amount of the grants were not specified other than 300,000 needed to be spent on Skills Center and \$150,000 spent on high school programs. In the 17-18 school year the amount of the grants were combined into a single line item allocating \$450,000.00 for start-up[, expansion, and maintenance of Aerospace and advanced manufacturing programs.
8. **Evaluations of program/major findings:** The availability of the Core Plus Aerospace Curriculum online has increased the usage of components of the program as well as the complete curriculum; this has also facilitated more directed professional development. Requests from outside of the state for access to the Core Plus Curriculum has continued to increase, as have requests from private schools within the state. We have found that at least 12 additional schools in the state that do not receive any grant funding have adopted the Core Plus Curriculum.
- Areas where advisory committees that have strong industry representation and partnership have provided solid collaboration on curriculum, facilities, supplies, equipment and professional development. Included have been the development of local Certificates that guarantee job interviews for employment and articulation agreements to community and technical colleges. We continue to see feeder schools adopting components of the Core into

a variety of coursework. Additionally the development of Core Plus for Maritime and Construction are well underway.

9. **Major challenges faced by the program:** Lack of funding to allow time, travel, and planning for OSPI program supervisor to adequately monitor and manage the Core Plus professional development and grant follow up.
10. **Future opportunities:** The future holds great promise as the partnership being developed with the manufacturing industries is providing greater access to guest speakers, field trips, and guest educators in the classroom as well as providing input and validating curriculum and programs of study. Many of these industry partners are now providing training to instructors and Boeing continues to lead the way in working independently with grant school instructors on facilities, equipment, supplies as well as one on one training. Some of grant schools have entered facilities sharing agreements with local community and technical colleges and the Aerospace Joint Apprenticeship Committee (AJAC) where after hours training is being done in high school buildings. AJAC provides additional equipment and supplies to those buildings, which directly benefits all students in the program. Expansion of the Core to Maritime and Construction with future plans reaching into Agriculture Mechanics, Mechatronics, and Drones.
11. **Statutory and/or Budget language:**

**Budget Proviso:** SSB 5883 Section 513(15) \$450,000 of the general fund-state appropriation for fiscal year 2017 are provided solely for annual start-up grants to high schools to implement or expand aerospace manufacturing programs, or other high-skill programs as determined by the superintendent of public instruction or for professional development of such programs. The office of the superintendent of public instruction and the education research and data center at the office of financial management shall track student participation and long-term outcome data.

12. **Other relevant information:**

The program continues to evolve as we upgrade and expand the Core Plus curriculum package. The Core curriculum centers around standardized and sustainable manufacturing skills while local districts can chose the Plus portion of the curriculum based on local industry needs. Professional development opportunities are regularly provided by OSPI, Boeing, and other community partners such as the Manufacturing Industrial Council of Seattle and SKILLS INC. working together to deliver relevant experiences for instructors. The Manufacturing Industrial Council of Seattle have proved to be invaluable partners in terms of training, extended learning opportunities, and coordinating with employers to create employment pathways for Core program students. The Army National Guard is a Core Plus community partner which provides additional insight and awareness of possible career opportunities for students upon graduation. Several of the Core programs also offer OSHA 10 hour certification, forklift operator certification, and First aid/ CPR certification. All programs are actively

exploring options to gain other industry-recognized certificates in addition to universal industrial skills such as applied math, safety, LEAN, hand and power tools, precision measurement and layout.

13. List of schools/districts receiving assistance:

1. Auburn School District
2. Bethel School District-SKILL CENTER
3. Bremerton School District
4. Elma School District
5. Everett School District
6. Federal Way School District
7. Franklin Pierce School District (2 schools)
8. Goldendale School District
9. Granite Falls School District
10. Highline School District- SKILL CENTER
11. Mount Vernon School District
12. Northport School District
13. Renton School District (3 schools)
14. Spokane School District (2 schools)-SKILL CENTER
15. Tacoma School District
16. Toppenish School District
17. Tumwater School District
18. Walla Walla Public Schools
19. West Valley School District (Yakima)
20. White River School District
21. Yelm School District

14. Program Contact Information:

Rebecca Wallace  
Phone 360-725-6243  
Email: Rebecca.Wallace@K12.wa.us