



# Washington Office of Superintendent of **PUBLIC INSTRUCTION**

## **Career & Technical Education (CTE)**

1. **Purpose:**

Proviso funds are provided for secondary Career and Technical Education (CTE) grants and are intended to support advancement of Career and Technical Education in the areas of high-demand program areas for middle schools, high schools, and skill centers. High-demand CTE programs are identified under RCW 28A.700.020. Funds are also identified for the state Career and Technical Student Organizations (CTSOs) and the FIRST Robotics programs.

2. **Description of services provided:**

Funding provided identifies dedicated funding recipients to support the expansion of high-demand CTE programming 7<sup>th</sup>-12<sup>th</sup> grade, through comprehensive middle and high schools and skill centers. Grant funds are prioritized to high-cost programs utilizing technology and equipment necessary for industry certification. Funded programs represent regional or statewide programs in demand. High demand CTE programs prepare students for either a high employer demand program of study or a high-demand occupation, or both. Funding is also provided to the 8 state-recognized CTOSs to support CTE extended learning requirements accessible for enrolled CTE students. Additionally, funds are provided to support FIRST Robotics programming for participants accessing programming in 4<sup>th</sup>-12<sup>th</sup> grade.

3. **Criteria for receiving services and/or grants:**

Priority in allocating the funds is given to programs that are considered high cost due to the types of technology and equipment necessary to maintain industry certification. Priority is also given to programs considered in high demand. Funds are additionally used for grants and professional development support to increase dual credit through advanced placement coursework, professional development in demand areas, and grants to support statewide access for industry certifications. Additionally, grants are provided to school districts to support FIRST Robotics programming, and the state recognized Career and Technical Student Organizations. For high-demand grants, grants are eligible must use grant funding for high demand areas for the following purposes:

- Purchase or improve curriculum
- Support professional development
- Create pre-apprenticeship programs
- Develop articulations with post-secondary

- Upgrade technology and equipment to meet industry standards
- Initiate a new program or improve the rigor and quality of a High Demand program through other purposes

For FIRST Robotics grants, grantees may use funds for:

- Teacher stipends
- Teacher professional development
- Registration fees
- Supplies/materials
- Equipment and technology
- Other costs associated with direct participation in the FIRST programs including professional development

Career and Technical Student Organization grants are funds based upon: qualifying as one of the eight state recognized Career and Technical Student Organizations, providing the required extended learning component of the CTE model, and providing state level resources for use by local affiliated programs. These funds support the statewide supervision of the leadership activities offered through CTSOs.

**Beneficiaries in 2020-21 School Year:**

|                                    |     |
|------------------------------------|-----|
| <b>Number of School Districts:</b> | 181 |
| <b>Number of Schools:</b>          | 0   |
| <b>Number of Students:</b>         | 0   |
| <b>Number of Educators:</b>        | 0   |

**Other:** WA Applied Math Council; WA DECA; Washington FFA; Washington State Family, Career and Community Leaders of America; Washington Future Business Leaders of America; Washington Health Occupation Student Association; SkillsUSA Washington; Washington Technology Student Association; Washington Career and Technical Sports Medicine Association. 9

|  |          |
|--|----------|
| <b>Number of OSPI staff associated with this funding (FTEs):</b>       | 0.20 FTE |
| <b>Number of contractors/other staff associated with this funding:</b> | 0        |

|   |             |
|---|-------------|
| <b>FY21 Funding: State Appropriation:</b> | \$2,052,000 |
| <b>Federal Appropriation:</b>             | \$0         |
| <b>Other fund sources:</b>                | \$0         |
| <b>TOTAL (FY21)</b>                       | \$2,052,000 |

4. **Are federal or other funds contingent on state funding?**

No

Yes, please explain.

5. **State funding history:**

| <b>Fiscal Year</b> | <b>Amount Funded</b> | <b>Actual Expenditures</b> |
|--------------------|----------------------|----------------------------|
| FY21               | \$2,052,000          | \$1,595,016                |
| FY20               | \$2,052,000          | \$1,900,315                |
| FY19               | \$1,802,000          | \$1,729,722                |
| FY18               | \$1,802,000          | \$1,599,975                |
| FY17               | \$1,577,000          | \$1,346,092                |
| FY16               | \$1,577,000          | \$1,340,421                |
| FY15               | \$1,177,000          | \$1,161,243                |
| FY14               | \$1,177,000          | \$1,176,461                |
| FY13               | \$1,077,000          | \$1,066,510                |
| FY12               | \$977,000            | \$842,955                  |
| FY11               | \$912,000            | \$423,369                  |
| FY10               | \$2,475,000          | \$2,475,000                |

6. **Number of beneficiaries (e.g., school districts, schools, students, educators, other) history:**

| <b>Fiscal Year</b> | <b>Number of School Districts</b> | <b>Number of Other</b> |
|--------------------|-----------------------------------|------------------------|
| FY21               | 181                               | 9                      |
| FY20               | 278                               | 10                     |
| FY19               | 324                               | 10                     |
| FY18               | 314                               | N/A                    |
| FY17               | 298                               | N/A                    |
| FY16               | 242                               | N/A                    |
| FY15               | 259                               | N/A                    |
| FY14               | 223                               | N/A                    |
| FY13               | 210                               | N/A                    |
| FY12               | 160                               | N/A                    |
| FY11               | 96                                | N/A                    |
| FY10               | 85                                | N/A                    |

7. **Programmatic changes since inception (if any):**

The proviso was amended to include, "parts of programs that receiving grants that serve students in grades four through six." This language only impacts FIRST

Robotics programs, and secondary CTE programs are defined as only programs in seventh through twelfth grades. Chapter 170, Laws of 2008 identified high demand funding exclusively for middle schools, high schools, or skill centers for CTE programs that prepare students for either a high employer demand program of study or a high-demand occupation or both.

**8. Evaluations of program/major findings:**

The number of school districts reflected in the beneficiaries table will reflect districts that may have received more than one grant; the number is duplicated.

More than \$1.3 million dollars were requested to support High Demand CTE programs. Funded programs included Construction Trades, Engineering, Manufacturing and Mechanization, Health Care Careers, and Cybersecurity as example in-demand programs. Funding was provided to CTE ALE programs, and those provided at middle schools, high schools, and skill centers. Funded programs continue to provide input to other school districts in the area that look to build new or revise existing CTE programs.

Washington Applied Math Council was funded to coordinate and promote efforts to develop integrated math, science, technology, and engineering programs across the state to provide in-service and professional development to teachers that is required prior to implementing the Applied Math curriculum. Though educators are not direct recipients of funds, 198 educators benefitted from this funding.

| Session            | # of School Districts | # of Schools | # of Educators |
|--------------------|-----------------------|--------------|----------------|
| Fall (virtual)     | 28                    | 31           | 31             |
| Winter (virtual)   | 32                    | 35           | 51             |
| Spring (virtual)   | 36                    | 46           | 76             |
| Summer (in person) | 28                    | 36           | 40             |
| <b>Totals</b>      | <b>124</b>            | <b>148</b>   | <b>198</b>     |

The eight state-recognized CTSOs provided both in-person, and virtual based events in response to COVID-19 restrictions. The CTSO organizations worked together with school district leadership and students to maintain engagement opportunities throughout the end of the school year.

**9. Major challenges faced by the program:**

The impact of COVID-19 and the closure of school facilities presented a significant challenge for grant recipients with respect to the ability to receive equipment in a manner timely enough to meet the spending timeline. Additionally, grant-funded

professional development had to be delivered virtually or in a hybrid model due to restrictions on in-person gatherings and subsequent district policies on travel.

Grantees also experienced difficulty in meeting minimum requirements for FIRST teams/competitions due to hybrid and/or remote learning mandated by COVID-19.

10. **Future opportunities:**

\$550,000 in funds were awarded for high-demand grants alone, and application requests are consistently high (in excess of \$1.3 million dollars this year). OPSI is legislatively mandated to narrow CTE offerings to high-demand areas. As districts continue to adapt to online/remote learning models, the need for increased access to equipment grows; larger numbers of student groups with smaller numbers necessitates the need for additional and sometimes varied equipment, and additional funding support.

11. **Statutory and/or budget language:**

ESSB 5092, Sec. 1518 (2)(a) \$2,052,000 of the general fund—state appropriation for fiscal year 2020 and \$2,052,000 of the general fund—state appropriation for fiscal year 2021 are provided solely for secondary career and technical education grants pursuant to chapter 170, Laws of 2008, including parts of programs receiving grants that serve students in grades four through six. If equally matched by private donations, \$1,075,000 of the 2020 appropriation and \$1,075,000 of the 2021 appropriation shall be used to support FIRST robotics programs in grades four through twelve. Of the amounts provided in this subsection, \$100,000 of the fiscal year 2020 appropriation and \$100,000 of the fiscal year 2021 appropriation are provided solely for the purpose of statewide supervision activities for career and technical education student leadership organizations.

12. **Other relevant information:**

The FIRST Robotics program funding is split into three separate grant awards that reflect the three options within age range and program requirements.

FIRST Robotics Competition: Grades 9-12, Ages 14-18

FIRST Tech Challenge: Grades 7-12, Ages 12-18

FIRST LEGO League: Grades 4-8, Ages 9-14

The number of schools awarded, amount awarded, and funding claimed for the three separate grants is:

| FIRST Robotics Competition |                |                 |
|----------------------------|----------------|-----------------|
| # of Schools Awarded       | Amount Awarded | Funding Claimed |

|                            |         |            |
|----------------------------|---------|------------|
| FIRST Robotics Competition |         |            |
| 64                         | 615,500 | 355,877.65 |

|                      |                |                 |
|----------------------|----------------|-----------------|
| FIRST TECH Challenge |                |                 |
| # of Schools Awarded | Amount Awarded | Funding Claimed |
| 31                   | 143,275        | 99,119.26       |

|                      |                |                 |
|----------------------|----------------|-----------------|
| FIRST LEGO League    |                |                 |
| # of Schools Awarded | Amount Awarded | Funding Claimed |
| 55                   | 89,495         | 28,954.28       |

Note: Funding claimed as of July 2021.

This work is authorized through Chapter 170, Laws of 2008 (2SSB 6377).

13. **Schools/districts receiving assistance:**

See [OSPI's Grantee List](#)

14. **Program Contact Information:**

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