

## High Demand Grants/FIRST Robotics Secondary Career/Technical Ed Grants

1. **Purpose:** Grant funds are provided for secondary career and technical education grants pursuant to chapter 170, Laws of 2008, and are intended to provide advancement of Career and Technical Education (CTE) in the areas of high-demand program areas. Grants are intended for middle schools, high schools, or skill centers to develop or upgrade high-demand CTE programs as 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:** Grant funds are allocated on a one-time basis and may be used to purchase or improve curriculum, create pre-apprenticeship programs, upgrade technology and equipment to meet industry standards, and for other purposes intended to initiate a new program or improve the rigor and quality of a high demand program. Priority in allocating the funds are given to programs that are also 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. Grants are also provided to school districts to support FIRST Robotics programming, and the state recognized Career and Technical Student Organizations.
3. **Criteria for receiving services and/or grants:**  
For high-demand grants, grantees must use grant funding for high demand areas for the following purposes:
  - Purchase or improve curriculum
  - Support professional development
  - Create pre-apprenticeship programs
  - Upgrade technology and equipment to meet industry standards

Funds are additionally used for: grants and professional development support to increase dual credit through advanced placement coursework, and grants to support statewide access for industry certifications.

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 Organizations are granted 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.

Washington Applied Math Council is 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 accessing an implementing the Applied Math curriculum.

**Beneficiaries in 2018-19 School Year:**

# of School Districts: 314  
 # of Schools: 0  
 # of Students: 0  
 Other: 10

# of OSPI staff associated with this funding (FTEs): 0.3  
 # of contractors/other staff associated with this funding: 01

FY19 Funding: State Appropriation: \$1.802 million  
 Federal Appropriation: \$0  
 Other fund sources: \$0  
 TOTAL (FY19) \$1.802 million

4. Are federal or other funds contingent on state funding? If yes, explain. No

5. State funding history:

Fiscal Year	Amount Funded	Actual Expenditures
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., schools, students, districts) history:

Fiscal Year	# grants to Districts, Schools, and/or Skill Centers
FY19	324
FY18	314
FY17	298
FY16	242
FY15	259
FY14	223
FY13	210
FY12	160
FY11	96
FY10	85

7. **Statutory and/or Budget language:**

**Budget Proviso:** ESSB 6032, Sec. 513 (9) - \$1,802,000 of the general fund—state appropriation for fiscal year 2018 and \$1,802,000 of the general fund—state appropriation for fiscal year 2019 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, \$825,000 of the 2018 appropriation and \$825,000 of the 2019 appropriation shall be used to support FIRST robotics programs in grades four through twelve. Of the amounts in this subsection, \$100,000 of the fiscal year 2018 appropriation and \$100,000 of the fiscal year 2019 appropriation are provided solely for the purpose of statewide supervision activities for career and technical education student leadership organizations.

8. **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

FIRST Robotics Competition, # of Schools Awarded, Amount Awarded, Funding Claimed

FIRST Robotics Competition		
# of Schools Awarded	Amount Awarded	Funding Claimed
81	595,300	532,644.02

FIRST TECH Challenge		
# of Schools Awarded	Amount Awarded	Funding Claimed
48	116,500	89,442.72

FIRST LEGO League		
# of Schools Awarded	Amount Awarded	Funding Claimed
117	108,450	96,978.28

Note: Funding claimed as of July 2019.

9. List of schools/districts receiving assistance: See OSPI [website](#).

10. Program Contact Information:

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