

## Computer Science Grants

1. **Purpose:** The purpose of Section ESSB 6032, Sec. 501 (32) is to create the computer science and education grant program to support the following three purposes: Train and credential teachers in computer sciences; provide and upgrade technology needed to learn computer science; and, for computer science frontiers grants to introduce students to and engage them in computer science. The Districts/Schools/Skill Centers/Educational Service Districts that demonstrate readiness (as identified above), non-profit organizations in partnership with a school district, school, or Educational Service District, institutions of higher education in partnership with a school district, school, or Educational Service District, and institutions of higher education can apply to train and credential teachers in computer science.
  
2. **Description of services provided:** Grants provided for the purpose of introducing students to computer science are intended to support innovative ways to introduce and engage students from historically underrepresented groups, including girls, low-income students, and minority students, to computer science and to inspire them to enter computer science careers.
  
3. **Criteria for receiving services and/or grants:** Funds for the computer science and education grant program may be expended only to the extent that they are equally matched by private sources for the program, including gifts, grants, or endowments. Engagement of underserved student populations is emphasized. Underserved student populations include: (1) economically disadvantaged students; (2) students from major racial and ethnic groups; (3) students with disabilities; (4) students with limited English proficiency (the federal term); (5) girls; and (6) students in alternative education.

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

|                        |   |
|------------------------|---|
| # of School Districts: | 21  |
| # of Schools:          | 110   |
| # of Students:         | ≅142,557  |
| Other:                 | AESD, Columbia Basin College, Generation YES, Washington FIRST Robotics, Washington State University Tri-Cities |

|  |     |
|--|-----|
| # of OSPI staff associated with this funding (FTEs):       | 1.0 |
| # of contractors/other staff associated with this funding: | 00  |

|               |                        |               |
|---------------|------------------------|---------------|
| FY19 Funding: | State Appropriation:   | \$1.0 million |
|               | Federal Appropriation: | \$0           |
|               | Other fund sources:    | \$0           |
|               | TOTAL (FY19)           | \$1.0 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        | \$1,000,000   | \$987,648           |
| FY18        | \$1,000,000   | \$959,112           |
| FY17        | \$1,000,000   | \$986,885           |
| FY16        | \$1,000,000   | \$987,900           |

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

| Fiscal Year | # of Districts | # of Schools | # of Students | # of Other Beneficiaries |
|-------------|----------------|--------------|---------------|--------------------------|
| FY19        | 21             | 110          | ≈142,557      | 13                       |
| FY18        | 17             | 82           | ≈117,802      | 7                        |
| FY17        | 13             | 106          | 184,775+      | 6                        |
| FY16        | 19             | 66           | 50,000+       | 7                        |

## 7. Programmatic changes since inception (if any): None

## 8. Evaluations of program/major findings: Final Reports are still being submitted, what we can see from the data is that:

- a. The number of girls taking the AP Computer Science Exams has increased from 493 in 2015 to 817 in 2018.
- b. The number of underrepresented minorities taking the AP Computer Science Exams has increased from 91 students in 2015, to 308 students in 2018.
- c. The number of grants that are integrating computer science into existing content has increased to over half the award recipients.

## 9. Major challenges faced by the program: The major challenge is the issue of equity in regards to requiring matching funds. While larger urban districts were able to secure matching funds quickly, small districts from rural areas did not have the ability to do so. The matching fund expectation sets up an inequity in who received awards.

## 10. Future opportunities: The maintenance level funding for FY20 and FY21 will continue to expand computer science education across the state.

## 11. Statutory and/or Budget language:

**Budget Proviso:** ESSB 6032, Sec. 501 (35)—\$1,000,000 of the general fund—state appropriation for fiscal year 2018 and \$1,000,000 of the general fund—state appropriation for fiscal year 2019 are provided solely for the computer science and education grant program to support the following three purposes: train and credential teachers in computer sciences; provide and upgrade technology needed to learn computer science; and for computer science frontiers grants to introduce students to and engage them in computer science. The office of the superintendent of public instruction must use the computer science learning standards adopted pursuant to chapter 3, Laws of 2015 (computer science) in implementing the grant, to the extent possible. Additionally, grants provided for the purpose of introducing students to computer science are intended to support innovative ways to introduce and engage students from historically

underrepresented groups, including girls, low-income students, and minority students, to computer science and to inspire them to enter computer science careers. Grant funds for the computer science and education grant program may be expended only to the extent that they are equally matched by private sources for the program including gifts, grants, or endowments.

12. **Other relevant information:** None

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

14. **Program Contact Information:**

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