



## Advanced Project Lead the Way Courses

1. **Purpose:**

This funding is intended to increase student access to science, technology, engineering, and mathematics (STEM) learning and career fields; aid the growth and integration of specialized courses in STEM; advance the skills for industry employment; and develop access to and awareness of the opportunities for technical education. Funding of this grant supports high schools in providing additional courses in specialized PLTW and/or adding an additional PLTW high school program pathways to their STEM program.

2. **Description of services provided:**

Grant funding is provided to high schools to support advanced Project Lead The Way (PLTW) coursework, including start-up costs associated with the course. The advanced course must have been offered to students by the beginning of the 2020-21 school year.

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

To be eligible for funding, a high school must have offered a foundational PLTW course during the previous school year and be offering an advanced PLTW course in the current school year.

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

<b>Number of School Districts:</b>	9
<b>Number of Schools:</b>	12
<b>Number of Students:</b>	0
<b>Number of Educators:</b>	0
<b>Other:</b> <i>Name other...</i>	0

**Number of OSPI staff associated with this funding (FTEs):** 0 FTE

**Number of contractors/other staff associated with this funding:** 0

<b>FY21 Funding: State Appropriation:</b>	\$250,000
<b>Federal Appropriation:</b>	\$0
<b>Other fund sources:</b>	\$0
<b>TOTAL (FY21)</b>	<b>\$250,000</b>

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	\$250,000	\$235,908
FY20	\$250,000	\$250,000
FY19	\$250,000	\$249,106
FY18	\$250,000	\$249,010
FY17	\$125,000	\$125,000
FY16	\$125,000	\$125,000
FY15	\$250,000	\$248,851
FY14	\$250,000	\$225,000
FY13	\$250,000	\$250,000

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

<b>Fiscal Year</b>	<b>Number of Schools</b>
FY21	12
FY20	10
FY19	10
FY18	10
FY17	5
FY16	5
FY15	10
FY14	9
FY13	10

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

Project Lead The Way has added additional advanced coursework options since this proviso was originally funded, which has provided additional opportunity for high schools to provide coursework in three primary areas: Biomedical Science, Engineering, and Computer Science.

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

Twelve of the twelve applicants were offered funding, to support the high school adoption and implementation of advanced courses such as Biomedical Innovation, Principles of Engineering, Advanced Engineering, Aerospace Engineering, and Cybersecurity. Grantees were able to then access the PLTW website to adopt learning and training materials associated with the funded Advanced PLTW course. Additionally, PLTW professional development was offered remotely to teachers. Allocations were not fully processed by all applicants, resulting in 3 applicants not receiving funding.

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

Districts have expressed the desire to access funding so that they may build a PLTW pathway with both foundational and advanced coursework concurrently. Currently, the proviso language prohibits accessing funding support until the foundational course has been offered for at least a year. COVID-19 impacted students' ability to experience this coursework hands-on during the first half of the school year, and there were difficulties accessing curriculum for some students while in remote learning. Districts have expressed that the cost of program implementation and sustainability, access, and limited programs offered by PLTW often inhibit the growth or availability of these courses to students.

10. **Future opportunities:**

Despite current legislative language, it may be advantageous for some schools to implement a foundational course and advanced course concurrently. With the addition of remote professional development opportunities and an expanded timeline for accessing associated professional development, districts may experience greater support in program adoption and implementation. This may result in an increased demand for grant support.

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

ESSB 5092, Sec. 1518 (2)(c) \$250,000 of the general fund-state appropriation for fiscal year 2020 and \$250,000 of the general funds-state appropriation for fiscal year 2021 are provided solely for the advanced project lead the way courses at ten high schools. To be eligible for funding in 2020, a high school must have offered a foundational project lead the way course during the 2018-19 school year. The 2020 funding must be used for one-time start-up course costs for an advanced project lead the way course, to be offered to students beginning in the 2019-20 school year. To be eligible for funding in 2021, a high school must have offered a foundation project lead the way course during the 2019-20 school year. The 2020 funding must be used for one-time start-up course costs for an advanced project lead the way course, to be offered to students beginning in the 2020-21 school year. 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. The office may require the recipient of these funds to report the impacts of the recipient's efforts in alignment with the measures of the Washington school improvement framework.

12. **Other relevant information:**

N/A

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

See [OSPI's Grantee List](#)

14. **Program Contact Information:**

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