

STEM Lighthouse Districts/K-12 School Resource Programs

1. **Purpose:** The purpose/objective of this program is to designate up to three middle schools and up to three high schools to serve as resources and examples of how to combine the following best practices: (a) A small, highly personalized learning community; (b) An interdisciplinary curriculum with a strong focus on science, technology, engineering, and mathematics delivered through a project-based instructional approach; and (c) Active partnerships with businesses and the local community to connect learning beyond the classroom. The designated middle and high schools shall serve as lighthouse programs and provide technical assistance and advice to other middle and high schools and communities in the initial stages of STEM school implementation.

2. **Number of staff associated with this program/service (indicate where applicable):**

Fiscal Year 2017

of OSPI staff associated with this funding (FTEs): 00

of contractors/other staff associated with this funding: 00

FY 17 Funding: State Appropriation:	\$135,000
Federal Appropriation:	\$ 0
Other fund sources:	<u>\$ 0</u>
TOTAL (FY 17)	\$135,000

3. **Are federal or other funds contingent on state funding? If yes, explain.** No.
4. **Is continued funding needed in the next biennium?** Continued funding will be necessary to replicate the STEM Lighthouse Schools project as expressed in House Bill 2621 (2010 Session).
5. **What is the current status of this program's implementation?** Currently taking applications from districts who are applying to be STEM Lighthouse Schools for the 17-18 school year. Schools were selected during the 16-17 school year and are posted on the OSPI website to ensure they are able to serve as a contact to interested individuals across the state.
6. **When will the project be completed?** This is an ongoing project, as STEM Lighthouse schools are selected on an annual basis.
7. **First year funded?** FY 11

8. State funding since inception:

Fiscal Year	Amount
FY 11	\$150,000
FY 12	\$135,000
FY 13	\$135,000
FY 14	\$135,000
FY 15	\$135,000
FY 16	\$135,000
FY 17	\$135,000

9. Programmatic changes since inception (if any): None

10. Major challenges faced by the program: While there are a few good examples of STEM schools in the state, most are very new and therefore reluctant to present themselves as models of best practice. Many comprehensive middle and high schools incorporate what they deem to be quality STEM programs. However, most have not integrated science, technology, engineering and mathematics schoolwide.

11. Future opportunities: The recognition of schools as best practice models is deemed to provide an effective means by which schools that are developing STEM education will benefit. Established conferences, such as that of the Washington Association of Career and Technical Education and the annual CTE/Core Integration Conference are excellent venues to share successes and implementation strategies. Additionally, schools that are named as STEM Lighthouse models will be required to host visiting schools.

12. Statutory and/or Budget Language 2ESHB 2376, Sec 511(11): \$135,000 of the general fund- -state appropriation for fiscal year 2016 and \$135,000 of the general fund- -state appropriation for fiscal year 2017 are provided solely for science, technology, engineering and mathematics lighthouse projects, consistent with chapter 238, Laws of 2010.

13. Contact Information:

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