

PROGRAM DESCRIPTION

Department of Elementary and Secondary Education

HB Section(s): 2.055

STEM Career Awareness

Program is found in the following core budget(s): STEM Career Awareness

1a. What strategic priority does this program address?

Success-Ready Students & Workplace Development

1b. What does this program do?

In 2019, the legislature approved \$250,000 for the purpose of creating a "STEM Career Awareness Program" to increase STEM career awareness among students in grades six through eight. The statewide program introduces students to a wide variety of STEM careers and technology through an online-based STEM curriculum. The program is supported by the "STEM Career Awareness Program Fund" and has been implemented since the 2019-2020 school year.

2a. Provide an activity measure(s) for the program.

Number of online STEM and Computer Science lessons completed by students

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	108,382	110,000	110,000	110,000

Number of schools that have signed up for licenses

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	420	450	450	450

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2b. Provide a measure(s) of the program's quality.

STUDENT SURVEY RESULTS

- I enjoyed using Learning Blade - 54%
- I felt successful after completing lessons in Learning Blade - 61%
- I learned something about new careers - 69%
- I learned something about science - 70%
- I learned something about technology - 70%
- I learned something about English - 68%
- I learned something about math - 58%
- I am more likely to consider a career in STEM after using Learning Blade - 43%
- I would rather use Learning Blade than do regular homework - 57%
- I wanted to complete the mission - 66%
- I could answer most of the problems correctly - 64%
- I would want to use Learning Blade again - 54%

2c. Provide a measure(s) of the program's impact.

Number of students who completed one or more lessons in Learning Blade

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	3,295	3,500	3,500	3,500

Number of hours of total time spent completing online STEM lessons

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	14,595	15,000	15,000	15,000

Number of educators who received professional development regarding program delivery

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	126	150	150	150

Note: Our experience and other studies have shown that even limited career exposure can impact the career paths of students.

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2d. Provide a measure(s) of the program's efficiency.

Cost per student accessing online lessons

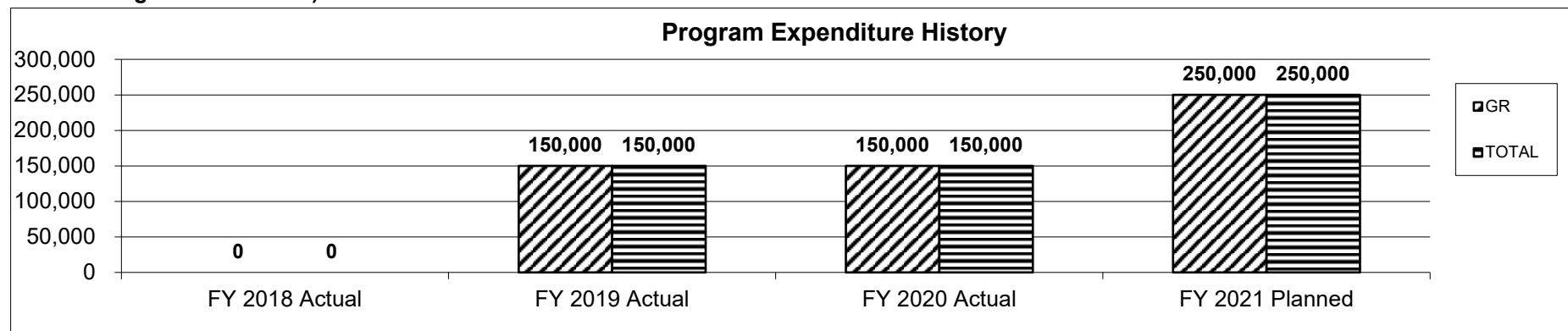
FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	\$28	\$25	\$25	\$25

Note: Additionally this amount is far less given there are over 1000 of Learning Blade lesson plans that were downloaded and we do not have a way of knowing how many students were impacted with these lesson plans. Of course additional students can access the program at no additional cost, reducing the cost per student in the future as adoption increases.

Percentage of enrolled students who completed at least one lesson in Learning Blade

FY 2020		FY 2021	FY 2022	FY 2023
Projected	Actual	Projected	Projected	Projected
N/A	62%	75%	75%	75%

3. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year. (Note: Amounts do not include fringe benefit costs.)



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4. What are the sources of the "Other " funds?

N/A

5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

House Bill Section 2.035 and 2.040

6. Are there federal matching requirements? If yes, please explain.

No

7. Is this a federally mandated program? If yes, please explain.

No