

Elementary and Secondary Education Grants - Year 1 Annual Report

Program Information

* 1. Name of School/District

* 2. Primary Contact

Name

Email

Phone

* 3. Award Amount

* 4. Name of grant-funded program/course

* 5. Was this grant for a new program/course?

☐ Yes

☐ No

☐ Other (please specify)

* 6. Is this program part of the school's core curriculum (required course) or is it an elective course/program?

☐ Part of core curriculum (required course)

☐ An elective course/program

☐ Other (please specify)

* 7. Program Data

Number of students
previously enrolled in
program/training:

Number of students
currently enrolled in
program/training:

If applicable,
breakdown current
students by year in
school:

Number of students participating in out-of-school time STEM related activities (after school, weekend, summer):

Please list out-of-school time STEM programs attended:

Are STEM apprenticeship/internship opportunities available to students?

If yes, describe these opportunities.

Number of students participating in STEM apprenticeships/internships:

Number of students who successfully completed their life sciences program:

Comment on any changes in performance, engagement and interest in life sciences among students during or after taking the program/course:

(For high school seniors only) Number of students entering college majoring in STEM:

(For high school seniors only) Percent of total graduates entering college majoring in STEM:

(For all participating grades) Number of students PLANNING TO enter college majoring in STEM:

(For high school seniors only) Percent of total graduates PLANNING TO enter college majoring in STEM:

(For all other
participating grades)
Percent of students
PLANNING TO enter
college majoring in
STEM:

(For high school
seniors only) Number
of students entering
post-graduation
training programs in
STEM:

(For high school
seniors only) Percent
of total graduates
entering post-
graduation training
programs in STEM:

(For all participating
grades) Number of
students PLANNING
TO enter post-
graduation training
programs in STEM:

(For high school
seniors only) Percent
of total graduates
PLANNING TO enter
post-graduation
training programs in
STEM:

(For all other
participating grades)
Percent of total
students PLANNING
TO enter post-
graduation training
programs in STEM:

(For high school
seniors only) Number
of students entering
life sciences workforce
post-graduation:

(For high school
seniors only) Percent
of total graduates
entering life sciences
workforce post-
graduation:

(For all participating
grades) Number of
students PLANNING
TO enter life sciences
workforce post-
graduation:

(For high school
seniors only) Percent
of total graduates
PLANNING TO enter
life sciences workforce
post-graduation:

(For all other
participating grades)
Percent of total
students PLANNING
TO enter life sciences
workforce post-
graduation:

8. Please use this space to write additional comments or expand upon responses from the
previous question, as needed.

STEM Equipment

* 9. How have MLSC grant funds impacted the capacity, effectiveness, and quality of instruction and workforce preparedness provided by your school or training program? (Select all that apply.)

- ☐ Expanded program and/or course offerings.
- ☐ Acquisition of advanced equipment and technology for improved training and delivery.
- ☐ Hired additional qualified teachers to cater to growing demand.
- ☐ Implemented updated curriculum aligned with industry standards.
- ☐ Industry engagement for enhanced skills training.
- ☐ Increased internships within the life sciences industry.
- ☐ Enhanced student support services, career awareness, networking opportunities.
- ☐ Expanded professional development opportunities for faculty and staff.
- ☐ Other (please specify)

* 10. As a result of the grant funding, what types of training, workshops, or certifications were offered to students? (Select all that apply.)

- ☐ Soft skills development
- ☐ Technical skills training
- ☐ Career Awareness
- ☐ Career fairs/Networking events
- ☐ Industry-specific certifications
- ☐ Other (please specify)

* 11. Describe the career awareness and exploration activities students participated in during your program this year?

* 12. What metrics were used to measure the success and impact of the workforce development program? (Select all that apply.)

- ☐ Continuing education in STEM fields.
- ☐ Number of internships secured.
- ☐ Comprehensive evaluation of student skills and knowledge.
- ☐ Evaluation of student professional (soft) skills development.
- ☐ Student satisfaction with the program.
- ☐ Student awareness and understanding of life sciences careers.
- ☐ Other (please specify)

* 13. How were post-program skills and knowledge changes evaluated?

- ☐ The Biotechnology Aptitude and Competency Exam (BACE)
- ☐ Micro credentials
- ☐ Badges
- ☐ Other (please specify)

* 14. For each of the metrics you evaluated, what were the outcomes of these evaluations?

* 15. How have the grant funds impacted the capacity of your organization to deliver instruction/workforce preparedness programs? (Select all that apply.)

- ☐ Expanded physical infrastructure/facilities to accommodate more students/participants.
- ☐ Expanded physical infrastructure/facilities for equipment/instruments.
- ☐ Enhanced technology and equipment for improved training delivery.
- ☐ Increased the number of qualified instructors/trainers.
- ☐ Other (please specify)

16. Provide additional comments for the previous question if needed:

* 17. Which specific areas have seen the most significant positive impact from the grant funds? (Select all that apply.)

- ☐ Expansion of program offerings to meet industry demands.
- ☐ Increased enrollment and interest in programs.
- ☐ Upgrading and modernizing existing training facilities.
- ☐ Developing new partnerships with employers and industries.
- ☐ Positive feedback from employers about workforce readiness.
- ☐ Positive feedback from graduates about workforce readiness.
- ☐ Other (please specify)

18. Provide additional comments for the previous question if needed:

* 19. What role have industry partners served thus far? (Select all that apply.)

- ☐ Provided skills training.
- ☐ Hosted interns.
- ☐ Consulted on high-demand skills for curriculum/program enhancement.
- ☐ Supported with instrument set-up/operation.
- ☐ Participated in guest lectures.
- ☐ Provided student mentoring.
- ☐ Other (please specify)

20. Provide additional comments for the previous question if needed:

* 21. How has the grant impacted the organization's ability to adapt to changing workforce demands and technological advancements? (Select all that apply.)

- ☐ Updated curriculum to incorporate emerging industry trends.
- ☐ Investment in state-of-the-art equipment and technology.
- ☐ Enhanced partnerships with local businesses and industries.
- ☐ Other (please specify)

22. Provide additional comments for the previous question if needed:

* 23. How has the grant allowed your organization to address the workforce needs of underrepresented communities? (Select all that apply.)

- ☐ Targeted outreach and recruitment efforts in specific communities.
- ☐ Customized training programs to address unique challenges of certain groups.
- ☐ Scholarships or financial assistance for students from underserved backgrounds.
- ☐ Other (please specify)

24. Provide additional comments for the previous question if needed:

* 25. What challenges or obstacles were encountered during the implementation of the workforce development initiatives? (Select all that apply.)

- ☐ Insufficient funding to execute planned initiatives.
- ☐ Difficulty in finding qualified instructors or trainers.
- ☐ Long lead times for delivery of equipment/instruments.
- ☐ Student recruitment fell short of the expected level.
- ☐ Student retention through program.
- ☐ Other (please specify)

* 26. How were these challenges addressed?

Professional Development (PD)

* 27. Professional Development (PD) training Data (if applicable)

Number of teachers
who received PD
training related to
grant funded life
sciences
course/program:

How many PD courses
were offered to
teachers?

What was the average
duration of each
course?

What were the topics
of the PD trainings?

Were teachers who
received PD in the
previous year able to
train or mentor other
teachers in the same
content during the
current year?

Number of students
directly impacted by
the PD training:

If applicable, break
down students'
numbers by grade
level.

28. Please use this space to write additional comments or expand upon responses from the previous question, as needed.

* 29. What subjects/topics benefitted directly from the PD training? (Select all that apply.)

- ☐ Science (Middle School)
- ☐ Biology/Biotech (High School)
- ☐ Chemistry (High School)
- ☐ Physics (High School)
- ☐ Engineering/Robotics
- ☐ Computer Science
- ☐ Other/Electives (please specify)

30. Provide additional comments for the previous question if needed:

* 31. Which PD provider(s) were used by your organization?

☐ MassBioEd (BioTeach or ACCESS)

☐ Project Lead the Way (PLTW)

☐ Kessler Science

☐ Becton, Dickson & Co.

☐ Amgen Biotech Experience (ABE)

☐ BioBuilder

☐ Other (please specify)

* 32. What modifications and improvements to the curriculum have been made or planned after the PD training?

* 33. How did (or will) the PD training impact the quality and delivery of life sciences curriculum?

34. Please include any other information or comments related to PD that will help us to understand the impact for students at your school.

* 35. Summarize the program impact on students based on student pre- and post-program surveys.

Changes in STEM/life sciences technical skills proficiency:

Changes in STEM/life sciences content knowledge:

Changes in confidence and/or interest in pursuing STEM/life sciences educational pathways:

Changes in student awareness and understanding of STEM (AND specifically life sciences) careers:

Changes in confidence and/or interest in pursuing STEM/life sciences careers:

Changes in student professional (soft) skills proficiency:

36. Provide additional comments for the previous question if needed:

* 37. Upload a copy of your student pre-program survey.

Choose File

Choose File

No file chosen

* 38. Upload a copy of your student post-program survey.

Choose File

Choose File

No file chosen