

Region 11 STEM Baseline Study 2015-16

Instructions

This survey is intended to capture information about how your program/site is currently integrating STEM learning opportunities. It is also designed to document current challenges and needs related to the integration of STEM learning into existing program practice. Your input is critical in helping the After School Technical Assistance Unit develop meaningful STEM-related support for all LA County grantees. Please complete this entire survey to the best of your ability.

STEM-related learning is defined as a learning activity or project that integrates scientific, engineering, and/or math concepts and/or the use of technology (computers, iPads). STEM learning activities are typically designed to increase student knowledge of particular content and/or to improve certain 21st century skills such as critical thinking, problem-solving, collaboration, and perseverance.

1. Please identify your position title

Grant Manager Program Director Site Coordinator

2. Please select your program level(s):

Elementary school Middle school K-8 High school

3. Please identify your program type:

District operated CBO operated Charter operated City operated

4. Please identify how often you offer STEM learning opportunities at your site:

	Every day	Once/week	2-3 times/week	Monthly	Not at all
STEM learning is offered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Please estimate how many students participate in STEM learning opportunities at your site:

	1-25	26-50	51-100	101-150	None
on a DAILY basis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
on a WEEKLY basis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
on a MONTHLY basis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Please identify the types of STEM learning opportunities available at your site. Select all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Hands-on projects/activities | <input type="checkbox"/> Visits from a STEM professional (NASA, Boeing, University) |
| <input type="checkbox"/> Group work (collaborative projects/activities) | <input type="checkbox"/> Projects/activities that are connected to student interests |
| <input type="checkbox"/> Project-based learning (projects that extend over time beyond a single activity) | <input type="checkbox"/> Projects /activities that are connected to real world issues |
| <input type="checkbox"/> Inquiry-based learning (investigating a question, topic, problem) | |

7. Please identify how you currently implement STEM learning opportunities.

- We integrate STEM learning into into existing activities/projects (e.g., academic, enrichment, fitness)
- We implement stand alone STEM learning opportunities (e.g., science-focused, technology focused, engineering focused, math focused)
- We have a STEM curriculum that we use

8. Please identify the intended student outcomes for the STEM learning opportunities that you implement. Select all that apply.

- | | | |
|---|--|--|
| <input type="radio"/> Increased student knowledge of STEM content | <input type="radio"/> Improved 21st century skills (collaboration, critical thinking, problem-solving) | <input type="radio"/> Increased understanding of the relevance of STEM to every day life |
| <input type="radio"/> Increased student interest in STEM content | <input type="radio"/> Increased interest in STEM careers | |

Other (please specify)

9. Who is primarily responsible for implementing STEM learning opportunities?

	None of the time	A little of the time	Some of the time	Most of the time	All of the time
Site Coordinator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Line Staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Credentialed Teacher working in the program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Field Expert (NASA, Boeing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vendor/Service Provider	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. What type of experience/credentials are required for those implementing STEM learning opportunities? Select all that apply.

- | | |
|---|--|
| <input type="checkbox"/> None | <input type="checkbox"/> STEM related work experience |
| <input type="checkbox"/> A degree in a STEM related field | <input type="checkbox"/> Some STEM related college course work |

Other (please specify)

11. Please describe your access to technology and the Internet

	Not available at all	Only available on a limited basis	Available all the time
Computers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iPads	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chromebooks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. Please identify where you access technology and the Internet. Select all that apply.

- Computer lab
- Classroom
- Mobile cart
- Library

Other (please specify)

13. Does your program/site have partnerships (receive donated time or resources) with any of the following entities in order to provide STEM learning opportunities? Select all that apply.

- Teachers
- Local business
- Community organizations
- School administrators
- Local colleges/universities
- Science Centers/Museums

Other (please specify)

14. If you do have partnerships with any of the entities identified in question 13, please identify the type of support they provide. Select all that apply.

- Curriculum
- Support with lesson planning
- Field trips
- Mentors
- Funding
- Access to resources (technology, learning materials)
- Speakers/presenters
- Volunteers

Other (please specify)

15. Please describe the STEM related support services that you have received over the past year. Select all that apply.

	None at all	A little	Some	A lot
Training on specific STEM curricula	○	○	○	○
	○	○	○	○

	None at all	A little	Some	A lot
Training on how to integrate STEM into existing program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coaching on how to implement STEM into existing program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Training on facilitation skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Training on STEM-related lesson planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Training on how to access STEM-related resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. Please describe how STEM learning is being assessed at your program. Select all that apply.

- Student surveys
- Parent surveys
- Teacher surveys
- Assessment of student work

Other (please specify)

17. If you are assessing the STEM outcomes for your program, please identify who is doing so. Select all that apply.

- Program Director
- External Evaluator
- Site Coordinator
- Teacher

Other (please specify)

18. If you are collecting data about STEM learning, how is it being used? Select all that apply.

- To improve program design
 To share with parents
 To share with funders (accountability)
 To share with teachers
 To share with principals

Other (please specify)

19. Please rate the extent to which the following factors impact the implementation of STEM learning at your program

	Not at all challenging	A little challenging	Somewhat challenging	Very challenging
Adequacy of space/facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Availability of qualified staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to resources, curricula, materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Time (competition with other activities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reliable Internet access	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student interest	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

20. Moving forward, what kinds of support and/or resources do you need to improve/expand STEM learning at your program? Select all that apply.

- Training
 Consultation
 Support with evaluation of STEM learning/ continuous quality improvement
 Information and resources
 Mentoring

Coaching

Site visits to sites already
implementing effective
STEM learning

Other (please specify)

21. Please describe your perspective on STEM learning opportunities in expanded learning programs.

- I DO NOT think it is important to integrate STEM into program activities
- I think it is SOMEWHAT important to integrate STEM into program activities
- I think it is VERY important to integrate STEM into program activities

22. Please provide your district, city, or organization name

Done

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