Attachment B

OMB # 3145-0199
Expires: X/XX/XX

Math and Science Partnership Program

Annual IHE Participant Survey for Comprehensive and Targeted MSPs

Sponsored by the
National Science Foundation

Conducted by
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1650 Research Boulevard
Rockville, Maryland 20850

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Public Burden

Paperwork Reduction Act Notice. The Paperwork Reduction Act of 1995 says we must tell you why we are collecting this information, how we will use it and whether you have to give it to us. The reasons and purpose of this survey are described in the introduction and instructions for this survey and your response is voluntary. Failure to provide full and complete information, however, may reduce the possibility of NSF continuing support for the award or project subject to this monitoring survey. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The OMB control number for this survey is 3145-0199. The estimated average burden associated with this collection of information is 0.83 hours per response, depending on individual circumstances. Comments concerning the accuracy of this burden estimate and suggestions for reducing the burden should be sent to Suzanne Plimpton, Reports Clearance Officer for OMB 3145-0199, NSF/DAAS, 4201Wilson Boulevard, Arlington, VA 22230.

Annual Institution of Higher Education (IHE) Participant Survey For the [INSERT SCHOOL YEAR] School Year

To be completed and submitted by November XX, 200X.

The National Science Foundation (NSF) is collecting annual information about each of its Math and Science Partnership (MSP) projects. The purpose is to assess the overall implementation of the MSP program and to monitor the progress of individual MSP grants.

This form is designed to obtain information from ***each*** STEM and education faculty member and administrator who has participated in the MSP program. For the purposes of this collection, this includes any faculty member or administrator who was (1) directly supported by the MSP grant, and/or (2) directly participated in the development or implementation of MSP-related activities.

If you have any questions about the MSP Management Information System, please contact:

Molly Hershey-Arista
1-800-937-8281, ext. 4908
MSPMIS@westat.com

We estimate that it will take approximately 45 minutes of your time to complete this survey.

Thank you in advance for completing this survey.

INSTRUCTIONS FOR COMPLETING THE SURVEY

Faculty support and expertise are at the nucleus of the MSP enterprise as it seeks to improve teacher quality and to increase student achievement in mathematics and science throughout the United States. We have constructed this survey to give you the flexibility to respond in general and in detail relative to your level of involvement.

Neither NSF nor the Federal Government will maintain names or contact information associated with this survey. However, this information is held by the awardee institution.

Please answer the following questions with the most appropriate response. You may cut and paste text into this system.

It is recommended that you review the Primer (which can be accessed electronically by clicking on "Help" in the menu on the top of the page) before beginning the survey. The Primer provides general instructions and navigation information.

As you are completing the survey, please click the Save & Continue button after you respond to each item/set of items. Once an item or item set is saved, you may use the **Question Guide** to return to an item and revise your response. If you exit the system without saving, you will lose any unsaved data.

When you are ready to submit your data to NSF, please click the Submit button at the end of the form. You will no longer have access to this survey after a Final Submit has been made.

1. **Identification (ID) Number:** pre-filled

2. **Institution of Higher Education (IHE) Name:** pre-filled

3. **Primary IHE Department: _____**

4. **Secondary IHE Department:** *(if applicable)* **_____**

5. **Gender:** *(Check <u>one</u> response)*

   ❒ Male
   ❒ Female

6. **Which of the following categories describes your ethnicity?** *(Check <u>one</u> response)*

   ❒ Hispanic or Latino[1]
   ❒ Not Hispanic or Latino

7. **Which of the following categories describes your race?** *(Check <u>one or more</u>)*

   ❒ American Indian or Alaska Native[2]
   ❒ Asian[3]
   ❒ Black or African American[4]
   ❒ Native Hawaiian or Other Pacific Islander[5]
   ❒ White[6]

[1] Hispanic or Latino: A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

[2] American Indian or Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.

[3] Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

[4] Black or African American: A person having origins in any of the black racial groups of Africa.

[5] Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific islands.

[6] White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

8. Use the list below to identify your primary fields of *research* and *instruction* during the [INSERT SCHOOL YEAR] school year:

Fields of Research and Instruction	Primary Field of *Research* *(Check one)*	Primary Field of *Instruction* *(Check one)*
Astronomy		
Atmospheric Sciences		
Biological Sciences		
Chemistry		
Computer Science		
Education *(specify area of education - from drop-down menu)*[1]		
Engineering		
Geosciences		
Mathematical Sciences		
Ocean Sciences		
Physics		
Not Applicable (e.g., IHE administrators with no primary research or instructional responsibilities)		
Other (specify): _____		

[1] Drop-down menu will include the following options: Science, Technology, Engineering and Mathematics (STEM) Education, Early Childhood Education, Elementary Education, Middle Childhood Education, Secondary Education, Special Education, Distance Learning, Educational/Instructional Media Design, Educational Leadership and Administration, Curriculum and Instruction, Counseling and Guidance, Educational Assessment, Evaluation, and Research, Educational Psychology, Social and Philosophical Foundations of Education, and Other.

9. **What is your tenure status?** *(Check one response)*

- ❒ Tenured
- ❒ On tenure track
- ❒ Not on tenure track
- ❒ Not applicable to my position/at my institution

10. **Which of the following best describes your title or faculty rank during the [INSERT SCHOOL YEAR] school year?** *(Check one response)*

- ❒ Professor
- ❒ Associate Professor
- ❒ Assistant Professor
- ❒ Instructor
- ❒ Lecturer
- ❒ Adjunct Faculty
- ❒ Administrator with instructional and/or research responsibilities (e.g., deans, department chairs)
- ❒ Administrator with no instructional or research responsibilities (e.g., director of research center)
- ❒ Other (specify): _____
- ❒ Not applicable at this institution
- ❒ Not applicable for my position

11. **Was the [INSERT SCHOOL YEAR] school year the first time you had been involved in efforts to reform or enhance K-12 instructional practices?** *(Check one response)*

- ❒ Yes
- ❒ No

12. **Which of the following areas of activities were you involved in during the [INSERT SCHOOL YEAR] school year? Click on an activity area to preview the definition and list of example activities.** *(You must select at least one of the following options. Check all that apply)*

- ❒ Pre-service
- ❒ In-service
- ❒ Management and/or Other MSP-related activities

13. **Estimate the number of hours you spent on your institution's MSP during the [INSERT SCHOOL YEAR] school year?** *(Check one response)*

- ❒ Less than 20 hours
- ❒ 20-40 hours
- ❒ 41-80 hours
- ❒ 81-160 hours
- ❒ 161-200 hours
- ❒ More than 200 hours

Note: For each area of activity that is checked for item 12, the respondent will be prompted to complete a corresponding item set (Q14a-c); however, the system will generate an abbreviated version of the survey and prompt the respondent to skip Q14a-c if the respondent checks "Less than 20 hours" or "20-40 hours" for item 13.

14a. Using the table below, identify the MSP Pre-service Activities that you participated in during the [INSERT SCHOOL YEAR] school year:

Pre-service Activities	Did you participate in this activity during the [INSERT SCHOOL YEAR] school year?	Narrative[1]
a) Participate in pre-service recruitment activities (e.g., encourage teaching as a career by speaking at STEM/minority undergraduate clubs, participating in high school career fairs, providing teaching assistant positions for STEM undergraduates)	Yes/No	
b) Provide pre-service students with experience in K-12 classroom settings before formal student teaching (e.g., an internship experience; teaching at a summer STEM camp; shadowing; tutoring)	Yes/No	
c) Provide pre-service students with opportunities to participate in local school district in-service activities (e.g., in-service summer institutes or ongoing LEA professional development)	Yes/No	
d) Teach or co-teach a pre-service STEM content course	Yes/No	
e) Involve K-12 master teachers in pre-service program (e.g., co-teach with a K-12 master teacher)	Yes/No	
f) Design pre-service STEM courses specifically for elementary/middle/high school teacher certification programs **Courses were designed for:** *(check all that apply)* ❑ Elementary school certification ❑ Middle school certification ❑ High school certification	Yes/No	
g) Develop an innovation as part of a traditional pre-service course	Yes/No	
h) Develop/revise pre-service courses to align with national, state and/or local standards	Yes/No	
i) Participate in efforts to link the pre-service process to national teacher certification activities (e.g., the National Board Certification process)	Yes/No	
j) Mentor pre-service students	Yes/No	
k) Other (specify):		

[1] Note: After completing the Yes/No column, the respondent will be prompted to: **Provide a brief description (i.e., 2-3 sentences) of your role in each activity listed below.** The primer will provide an example of an appropriate response.

14b. Using the table below, identify the MSP In-service (K-12) Activities that you participated in during the [INSERT SCHOOL YEAR] school year:

In-service (K-12) Activities	Did you participate in this activity during the [INSERT SCHOOL YEAR] school year?	Narrative[1]
a) Align K-12 mathematics and science curricula to other courses/standards (e.g., align to state standards; align to IHE expectations)	Yes/No	
b) Conduct a review of K-12 course curricula (e.g., update curricula based on current research; review curricula for content accuracy)	Yes/No	
c) Conduct workshops/institutes/courses with K-12 teachers that increase general content and/or pedagogical knowledge (e.g., teach at a summer science institute; conduct a workshop on cognitive science and its impact on instruction)	Yes/No	
d) Conduct targeted workshops/institutes/courses with K-12 teachers (e.g., teach at a summer science institute that is specifically linked to the curriculum/text used at partner schools)	Yes/No	
e) Design STEM courses specifically for elementary/middle/high school teacher certification programs **Courses were designed for:** *(check all that apply)* ❑ Elementary school certification ❑ Middle school certification ❑ High school certification	Yes/No	
f) Support adjunct positions for K-12 master teachers at your IHE	Yes/No	
g) Establish/provide externship opportunities for K-12 teachers	Yes/No	
h) Remain "on call" for classroom teachers (e.g., communicate with K-12 teachers via email or telephone to clarify a concept or content issue)	Yes/No	
i) Mentor a K-12 teacher in a shared discipline	Yes/No	
j) Establish/provide STEM learning communities/study groups (e.g., lesson study groups; discipline dialogues)	Yes/No	
k) Provide traditional STEM courses at alternative venues (e.g., students take credit bearing courses at a local science museum or university)	Yes/No	
l) Develop/re-design traditional STEM units or courses for in-depth immersion in a single topic (e.g., restructure school schedules and classroom time to allow for concentration on a single topic)	Yes/No	

[1] Note: After completing the Yes/No column, the respondent will be prompted to: **Provide a brief description (i.e., 2-3 sentences) of your role in each activity listed below.** The primer will provide an example of an appropriate response.

m) Help K-12 schools utilize computer-communications technology for challenging course delivery (e.g., teach an Advanced Placement (AP) course via video-conferencing)	Yes/No	
n) Help K-12 teachers utilize technology for course content innovation (e.g., mathematical modeling; online science experiments; access to digital images on online libraries)	Yes/No	
o) Participate in activities that motivate K-12 student participation in challenging mathematics and science courses (e.g., present a hands-on event at a K-12 school; take part in a "Meet the Scientist" night)	Yes/No	
p) Work one-on-one with K-12 students (e.g., to encourage students who have an interest in STEM disciplines)	Yes/No	
q) Participate in activities that encourage high school students to enroll in IHE courses (e.g., create a system that allows students to enroll in an IHE course and earn both high school and college credits)	Yes/No	
r) Other (specify):		

14c. Using the table below, identify the Management and other MSP-related Activities that you participated in during the [INSERT SCHOOL YEAR] school year:

Management and Other MSP-related Activities	Did you participate in this activity during the [INSERT SCHOOL YEAR] school year?	Narrative[1]
a) Serve as a member of the partnership management structure (e.g., help develop a strategic plan, participate in monthly MSP management meetings)	Yes/No	
b) Help develop joint databases or facilitate data sharing between K-12 and IHE partners	Yes/No	
c) Help create formal links between all MSP core partners (e.g., establish connections between high school STEM departments and corresponding disciplinary fields at your IHE)	Yes/No	
d) Help align teacher certification program requirements among partner IHEs (e.g., adopt a common course numbering or sequencing system)	Yes/No	
e) Participate in the development of policies to reward IHE disciplinary faculty for their involvement in K-12 education (e.g., policies and incentives in support of promotion or tenure)	Yes/No	
f) Conduct research on teaching and learning in math and science (e.g., effective practices for pre-service and in-service education programs)	Yes/No	
g) Enlist support from STEM industry/business personnel who work in disciplinary fields related to your own	Yes/No	
h) Attend National MSP conferences (e.g., NSF required conferences)	Yes/No	
i) Work on project-related evaluation activities or with RETA projects	Yes/No	
j) Other (specify):		

[1] Note: After completing the Yes/No column, the respondent will be prompted to: **Provide a brief description (i.e., 2-3 sentences) of your role in each activity listed below.** The primer will provide an example of an appropriate response.

15. **Please briefly describe (i.e., one paragraph) your most significant contribution(s) to your own MSP project during the [INSERT SCHOOL YEAR] school year.**

_____
_____
_____
_____

16. **Please briefly describe (i.e., one paragraph) any knowledge or experience that you have gained through your participation in MSP—and how this knowledge influenced your instruction or research during the [INSERT SCHOOL YEAR] school year.**

_____
_____
_____
_____

17. **Did you receive any MSP-sponsored professional development during the [INSERT SCHOOL YEAR] school year to provide you with the skills needed to perform your MSP responsibilities (e.g., working with K-12 teachers)?**

❒ Yes[1]
❒ No

18. **Has your disciplinary research been influenced by your participation in MSP?**

❒ Yes[2]
❒ No

Thank you for your observations and participation in the MSP review process.

[1] If respondent says yes, respondent will be asked: **Please briefly describe (i.e., one paragraph) these professional development activities, including (1) who provided these professional development activities, (2) the topics covered by these professional development activities, and (3) your assessment of whether these professional development activities improved your ability to perform your Institute responsibilities.**

[2] If respondent says yes, respondent will be asked: **Please briefly describe how your disciplinary research has been influenced by your participation in MSP.**