APPENDIX A2

Crosswalk of GK-12 Data Elements for the Fellow Survey

Data Elements of Graduate Teaching Fellows in K–12 Education (GK–12) Distance Monitoring System Fellow Survey

Question	Staff and Project Participant Characteristics i	Project Implementation Characteristics ⁱⁱ	Project Outputs ⁱⁱⁱ
Section II. Data Entered by Graduate Fellow			
Fellow's Name			
Date of Birth (month, day, year)	X		
Social Security Number	Λ		
Data will be pre-filled with data entered by PI			
Fellow's Current Contact Information:			
Fellow's Current Address			
Fellow's Current City			
Fellow's Current State	X		
Fellow's Current ZIP			
Fellow's Phone			
Fellow's E-mail Address			
School Name	X		
[Pre-populated dropdown list]			
Class	X		
[Pre-populated dropdown list]			

Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Fellow's Permanent Contact Information Fellow's Contact Name Fellow's Permanent Address Fellow's Permanent City Fellow's Permanent State Fellow's Permanent ZIP Fellow's Phone Fellow's Personal E-mail Address Fellow's Demographic Information	X		
Ethnicity—please select one Hispanic or Latino Not Hispanic or Latino Not Reported Race—please select all that apply American Indian or Alaska Native Asian Black or African American Native Hawaiian or Other Pacific Islander White Not Reported Gender—please select one Male Female Not Reported Citizenship Disability Status—please select all that apply Hearing Impairment Visual Impairment Mobility or Orthopedic Impairment None Other (please specify) Not Reported	X		
Undergraduate degree institution by state Undergraduate degree type BS BA Other (please specify) Undergraduate degree major	X		
Undergraduate degree date of completion Previous Graduate Degree(s) Completed	X		

Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Previous graduate degree institution by state			
Previous graduate degree type MA MS Other (please specify)			
Previous graduate degree major			
Previous graduate degree date of completion			
Current Graduate Work			
Current Graduate Institution By State			
Date when you started your graduate program:			
Fellow's academic level during fellowship year Master's 1st year Master's 2nd year Master's 3rd year Doctorate 1st year Doctorate 2nd year Doctorate 3rd year Doctorate 4th year Doctorate 5th year Other (specify) Discipline – please select one Astronomy Biological Science Behavioral Science Computer Science Chemistry Economic Science Engineering Environmental Science Geosciences Mathematical Science Physics Social Science Other (please specify)	X		
Sub-Discipline			
Research Advisor Information	X		
Research Advisor Full Name			
Research Advisor's Academic Discipline			

Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Astronomy			
Biological Science			
Behavioral Science			
Computer Science			
Chemistry			
Economic Science			
Engineering			
Environmental Science			
Geosciences			
Mathematical Science			
Physics			
Social Science			
Other (please specify)			
Research Advisor's Contact Information:			
Phone			
E-mail address			
Achievements During The Gk-12 Project Participation			
Honors and Recognition			
Name			
Year			
Society/Granting Organization			
Fellowship, Scholarship, and Grant Other Than GK- 12			X
Title of the Proposal			
Year Awarded			
Awarding Agency			
Other Scholarly Achievements			
[Text box will be provided to collect detailed information]			
On average, how many hours per week do you spend on		X	
GK-12 activities?			
On average, how many hours per week do you spend on		X	
the following GK-12 activities?			
Working Directly with K12 Students in Partner			
Schools			
 Working/Collaborating with Partner Cooperating teachers 			
 Working/Collaborating with Other GK-12 Fellows 			
 Planning or Preparing Lessons 			
 Participating in Training Activities or Seminars 			
Associated with GK-12 Project			
 Meeting or Speaking With GK-12 PIs, Co-PIs, or 			
Other Project Leaders			
• Other (please specify)			
On average, how many hours do you spend on your own		X	
research?		1	
Has participation in GK-12 activities affected your			X
graduate research productivity?			

	Staff and Project Participant	Project Implementation	Project Outputs
Question	Characteristics	Characteristics	
(Check all that apply)			
Because of GK-12 I			
am better organized			
find my work time is too fragmented			
am better able to write about my research results			
am more able to focus on my research			
have less time to focus on my research			
•am better prepared to present research findings at			
scientific meetingsother (please specify)			
What percentage of seminars and workshops, provided by			
your GK-12 project, prepared you for your work as a			X
fellow?			
In what ways have you incorporated your research and/or			X
area of scientific expertise into K12 classroom activities?			71
Fellow's Fellowship Results			
List up to three (3) accomplishments from your			X
participation in GK-12. Check the areas in which your knowledge/skills have			
improved as a result of your GK-12 participation			
improved as a result of your Gre 12 participation			
Professional and Academic Writing Skills			
Pedagogy/Teaching Skills			
Professional Speaking or Presentation Skills To the Country of the Country			X
 Team Building/Collaboration Skills Communicating Science or Math Concepts to 			
Communicating Science or Math Concepts to Diverse Audiences			
Communicating My Research and/or Area of			
Expertise			
Other (please specify)			
Have K12 students you worked with improved in the			
following areas as a result of GK-12 participation?			
[Check areas of improvement]Content Knowledge of Science or Math			
Enthusiasm about Science or Math			X
Understanding of How To Think Like a Scientist			
Interest in Pursuing Science or Math in the Future			
Interest in Pursuing Higher Education			
• Other (please specify)			37
Has your GK-12 participation affected your professional pursuits and career goals as a scientist?			X
(Check all that apply)			
Because of GK-12 I			
have been better able to figure out what I want to			
pursue as a career			
am better prepared for a career in academia			
•am better prepared to pursue a career that involves			
research and teachingam not adequately prepared to do research			
am not adequately prepared to do research am not adequately prepared for the additional skills			
	I		!

Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
required of scientists besides research will now consider a wider array of career paths than before GK-12 am overwhelmed by the number of scientific career choices am committed to contributing to K-12 STEM education at some point in my career other (please specify)			
Did you visit a foreign country as part of your GK-12 fellowship? If yes:			
Please select the country or countries you visited (from list)			X
Describe your participation in this international GK-12 component. Please list up to three (3) concerns or areas for improvement about the GK-12 program or your experience in the program.			X

ⁱ Elements of these characteristics include: Name, address, date of birth, gender, ethnicity, race, disability status, class, major, grade point average, yearly fellowship or stipend amount, or project role.

ⁱⁱ Elements of these characteristics include: Sources and amount of funds, fellowships, scholarships, traineeships, partnerships, training, research methods.

iii Elements of these characteristics include: research findings, publications, presentations, degrees granted,

educational materials.