Attachment K1

Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES) Monitoring System

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## **TUES:** Crosswalk

Common Collection		Awaro Catego		oject nt ttics <sup>1</sup>	t ation stics <sup>2</sup>	puts <sup>3</sup>
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics <sup>1</sup>	Project Implementation Characteristics <sup>2</sup>	Project Outputs <sup>3</sup>
<ul> <li>Notes:</li> <li>The System presents only those questions that are logically relevant to the type of award and previously answered questions. All questions pertain to the current reporting period's participants, implementation, and outputs. All requested questions are required.</li> <li>Three major categories drive the tailoring of the system to the award type. We have included columns to indicate these, which are: <ul> <li>Single Award</li> <li>Lead Collaborative Award (most questions)</li> </ul> </li> </ul>						
<ul> <li>For most questions respondents have the option to select a "don't know" option or can enter "DK."</li> <li>For most questions respondents have the option to add comments. The data elements associated with these comments are not shown in the crosswalk because the comments are entirely optional.</li> <li><b>i. Confirm Award Information</b>         Note: If any of the respondent's answers in this section are inconsistent with the type of award that was preloaded, the data submission will be placed on hold. The respondent will receive the following notice: "This basic project information must be correct before you can begin entering data for this project. The TUESWeb Support Desk will contact you to find out what needs to be updated."     </li> </ul>						

<sup>&</sup>lt;sup>1</sup> 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.

<sup>&</sup>lt;sup>2</sup> Elements of these characteristics include: Sources and amount of funds, fellowships, scholarships, traineeships, partnerships, training, research methods. <sup>3</sup> Elements of these characteristics include: research findings, publications, presentations, degrees granted,

educational materials.

Common Collection Categories Questions		Awaro Catego		oject nt tics	tion	puts
		Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Is [PI Name] the lead PI on Award No. [NSF Award Number]? o Yes o No	x	X	х		X	
<ul> <li>What type of proposal was submitted for this award ?</li> <li>O A Single Proposal that resulted in only this award (possibly including subawards for collaborating organizations)</li> <li>O A Collaborative Proposal that included simultaneous linked proposals from investigators at different organizations, with each organization receiving its own TUES/CCLI award.</li> </ul>	x	X	X		X	
Was this the Lead Award on the collaborative proposal? o Yes o No		x	X		X	
1 Tall Ha Abarra Marra Aaarda						
1. Tell Us About Your Awards						
<b>1.1. Award Details</b> Award information in this section is preloaded and displayed for verification purposes. PIs can contact the technical support team to report data that should be updated, but they cannot edit this data directly via the data collection instrument. Because some awards have supplemental awards, there may be more than one award associated with each report. The "embedded" awards are listed on each screen, but are not mentioned in the main questions.						
NSF Award No.	X	X	Х		Х	
Award Title	X	X	Х		Х	
PI Organization	X	X	Х	Х		
Official Grantee Institution This data element appears only if it differs from the PI Organization.	x	x	х	Х		
Phase or Type The system will list one of the following types: • Phase 1/Type 1 • Phase 2/Type 2 • Phase 3/Type 2	x	X	X		X	
Central Resource Project					37	
Award Start Date	X	X	X		X	
For consolidated awards: First Award's Start Date	X	X	X		X	
Award End Date	X	X	X		X	
Lead PI's Name	X	X	X	X		
Lead PI's Discipline	X	X	Х	Х		

Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
				In C	Proj
	x	x		Х	
x	x	X		Х	
X	X	X		Х	
X	x	x	Х	X	
					x       x       x       X         I       I       I       I         I       <

Common Collection	(	Award Categoi		oject nt stics	ntion stics	puts
Categories Questions		Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics Project Implementation Characteristics	Project Implementation Characteristics	Project Outputs
Were subaward funds expended or transferred from this award to any subawardees during the current reporting period? o Yes o No	X	X	X		x	
<b>Enter information for a subaward organization</b> <i>Provide the following information for the CCLI/TUES subaward</i>						
institution. This subsection repeats for each institution						
<ul> <li>What type of organization received this subaward?</li> <li>o Academic institution (not including academic consortiums)</li> <li>o Other type of organization</li> </ul>	x	X	х		х	
Academic Subaward Institution						
What is the name of the institution?	x	X	X	Х		
<ul> <li>Type of institution:</li> <li>[PI institution name], [City], [State]</li> <li>has the following classification in <i>the Integrated</i></li> <li><i>Postsecondary Data System</i> (IPEDS): <ul> <li>[Institution Type]</li> <li>[Other specify value if present]</li> </ul> </li> <li>If you believe this is incorrect, you can change it below.</li> <li>If you are not sure, use the IPEDS classification: <ul> <li>2-year Institution</li> <li>2-year Institution on a 4-year College or University Campus</li> <li>Bachelor's degree granting institution</li> <li>Master's degree granting institution</li> <li>Other U.S. Department of Education IPEDs Type</li> <li>Don't know</li> </ul> </li> </ul>	x	x	X	Х		
If Other: Please specify:	v	v	v		X	
How many faculty from this institution were involved? How many students from this institution were involved?	X X	X	X x		X X	
Other Type of Subaward Organization		X	X		Λ	

Common Collection	(	Awarc Catego		oject nt stics	ttion stics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Which of the following describes this organization?         (mark one or more)         Academic Consortium         Business         Consultant         National Laboratory         Museum         Nonprofit         Professional Society         Research Institute         Other (please specify):         Don't Know	x	x	X	Х		
All Subaward Organization Types						
Approximately what amount of subaward funds did your award transfer to this organization during the current reporting period?	x	x	X		Х	
<ul> <li>Checkbox option (matching how this question can also be answered elsewhere in the instrument.)</li> <li>This organization houses or plans to house any laboratory instruments that BOTH:</li> <li>1) Cost more than \$5,000 each, AND</li> <li>2) Were purchased with TUES/CCLI funds during the current reporting period?</li> </ul>	x	X	X			Х
1.4. Other Participating Organizations						
We are interested in the types of institutions that participate in TUES/CCLI projects. Did any other organizations participate significantly in your project during the current reporting period (not including your subawardees or other awardees in the collaborative project)? 0 Yes 0 No 0 Don't know	x	X	x		X	

	ection				(	Awaro Catego		oject nt stics	tion	puts
Ca						Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
<ul> <li>Which of the following types of participated significantly in yor beside each type that participated indicate the number of organize numbers of faculty/profession. numbers of students that particitype. It is okay to count the satindividual in multiple categori.</li> <li>DO NOT include your organizations or ganizations, or organizations or organizations areported by collaborating award.</li> <li>Include organizations that receive organizations that did not.</li> <li>Enter 0 for none. Enter DK for a the column headers for these tables A. How many of this type of participated significantly?</li> <li>B. How many faculty or profor of organization participated?</li> </ul>	our proje ted. The zations p als partic cipated a me organ es. tion, suba that should lees. ved projec anything y <i>are:</i> organiz corganiz cessional ed?	ct? Put n, for e articipa cipating lltogeth nization wardee d be inde ct funds, you don't ation ls from	a che ach t iting, iting, anc er foi n or pende as wel know <i>this</i>	ype, I r that ently I as 7.						
	A	В	С							
U.S. academic institutions by highest degree granted:2-year Institutions2-year Institutions on a 4-year College or University CampusBachelor's Degree Granting InstitutionsMaster's Degree Granting InstitutionsDoctoral Degree Granting InstitutionsOther U.S. Department of Education IPEDs type(s) (please					x	X	x		Х	

Common Collection Categories					(	Award Categor		oject nt tics	ution stics	nuts
C Questions	ategori	es			Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outnuts
	А	В	С							
U.S. academic institutions by enrollment demographics:										
Institutions with High										
Disabilities Enrollment (>3%										
Undergraduates)				-						
Institutions with High American Indian or Alaska Native										
Enrollment (25% or more) –										
Not Tribally Controlled					x	Х	х		Х	
Institutions with High Black or				-						
African American Enrollment										
(non-Hispanic) (25% or more) Institutions with High Hispanic										
Enrollment (25% or more)										
Institutions with High Native				-						
Hawaiian or Other Pacific										
Islander Enrollment (25% or										
more)	A	B	C							
U.S. academic institutions										
with special designations:										
Historically Black Colleges or Universities					x	x	х		X	
American Indian Tribally										
Controlled Colleges or Universities										
Universities										
	A	В	C	-						
Nonacademic organizations										
Businesses										
Consultants				-						
National Laboratories					x	x	x		Х	
Museums		-		21			<b>1</b>			
Non-profits				-						
Professional Societies				-						
				-						
Other type(s) of Nonacademic organizations (please specify):										

Common Collection Categories		Award Categoi		oject nt stics	ntion stics	puts
Questions		Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Student Support						
During this reporting period, were funds from this award used to support students (undergraduate, graduate, or postdocs)? o Yes o No o Don't know If no or don't know, skip the remaining questions in this section	x	X	x			х
<ul> <li>If yes, how many students were paid to work on the project using funds from this award?</li> <li>Number of undergraduate students paid:</li> <li>Number of graduate students paid:</li> <li>Number of postdocs paid:</li> </ul>	x	x	X			X
Laboratory Instrument Purchases						
Did you purchase scientific instruments for laboratory improvement with this award during this reporting period? o Yes o No o Don't know If no or don't know, skip the remaining questions in this section	x	x	x			X
Total price of all laboratory instruments purchased with this award during this reporting period: <i>If</i> <\$5,000, <i>skip the remaining questions in this section.</i>	x	x	х			X
Number of instruments purchased with this award that cost more than \$5,000: If 0, skip the next question.	x	x	X			X

Common Collection		Awarc Categor		ject t ics	ion ics	uts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Where are these new laboratory instruments (that cost \$5,000 or more) housed? (Or if they have not been received yet, where will they be housed?) (mark one or more)         At [name of PI's institution]         At [name of PI's institution]         At [name of lead institution]         At [name of collaborating institution 1]         At [name of collaborating institution 2]         [list all collaborating institution 3]         At [name of subawardee institution 2]         [list all subawardee institution 3]         At other participating institutions         Other (please specify):         Don't know <b>1.6.</b> Project Management and Evaluation	x	x	X			X
<ul> <li>Were any project evaluations conducted during the current reporting period?</li> <li>Yes</li> <li>No</li> <li>Don't Know</li> <li>If no or don't know, skip the next question.</li> </ul>	x	X	X		X	
If Yes, How did you use the information from your project's evaluation? (mark one or more) To improve the project To document accomplishments To assess changes in knowledge, skills, or attitudes of undergraduate students To assess changes in knowledge, skills, or attitudes of graduate students To assess changes in knowledge, skills, or attitudes of faculty None of the above ( <i>if so, skip the next question</i> ) Other (please specify): Don't know ( <i>if so, skip the next question</i> )	x	х	х		Х	
Were the project activities supported by this award implemented in courses or course-related laboratory sections during the current reporting period? <i>o</i> Yes <i>o</i> No <i>o</i> Don't Know If no or don't know, skip the rest of this question.	x	X	x			X

Common Collection	(	Awaro Catego		ject t ics	ion ics	uts
Categories Questions		Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
In how many courses or course-related lab sections were project activities implemented during the current reporting period?	x	X	Х			X
In all these courses or lab sections combined, approximately how many undergraduate students were exposed to the project's materials or instructional strategies?	X	Х	х			X
In all these courses or lab sections combined, what percentage of students received a passing grade	x	x	X			Х
1.7. Reflection						
What is the <b>single</b> most important project accomplishment for the reporting period? ( <i>limit 500</i> <i>characters</i> )	x	x	х			Х
What is the <b>single</b> most significant challenge that the project faced during the reporting period? ( <i>limit 500 characters</i> )	x	x	x		X	
What changes were made to the project, as outlined in the proposal, during the reporting period? ( <i>limit 500 characters</i> )	x	X	X		X	
2. Tell Us About Your Project's Activities	x					
Tell Us About The Project as a Whole	Λ	x				
Tell Us About Your Award's Independent Project Activities		Λ	x			
2.01. TUES/CCLI Program Components						
<ul> <li>During the current reporting period, did your institution, or any of your subawardee institutions, engage in any project activities or project work <i>independent of</i> the other awardee institutions in your TUES/CCLI</li> <li>Collaborative Project?</li> <li>Yes, we or our subawardees engaged in independent project work.</li> <li>No, all our work involved collaboration with other awardees in the TUES/CCLI Collaborative Project (<i>if no, skip the rest of this section, but to ensure accurate counts please be sure that the Lead PI knows about your involvement in any collaborative project activities, particularly if there are any where the Lead Organization was not directly involved)</i></li> </ul>			X		Х	

Common Collection	(	Award Categoi		oject nt tics	tion tics	puts
Categories Questions		Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
<ul> <li>What is the primary way that your project contributes to the development of exemplary undergraduate STEM education? (mark one)</li> <li>Assessing and evaluating student achievement</li> <li>Conducting research on undergraduate STEM education</li> <li>Developing or adapting learning materials</li> <li>Developing, adapting, or implementing new instructional strategies</li> <li>Developing faculty expertise</li> </ul>	X	x			Х	
<ul> <li>What other ways does your project contribute to the development of exemplary undergraduate STEM education? (mark one or more)</li> <li>Assessing and evaluating student achievement</li> <li>Conducting research on undergraduate STEM education</li> <li>Developing or adapting learning materials</li> <li>Developing, adapting, or implementing new instructional strategies</li> <li>Developing faculty expertise</li> <li>None of the above</li> </ul>	X	X			Х	
<ul> <li>Did the <i>independent</i> project activities supported by your award(s) during the current reporting period include developing or adapting any of the following:</li> <li>Instructional materials</li> <li>Instructional strategies</li> <li>Assessment instruments or processes to assess student achievement</li> <li>None of the above</li> </ul>			x			X
Does a significant aspect of the project include the introduction of new disciplinary knowledge into undergraduate curricula? o Yes o No o Don't Know	x	X				X
Did the project administer any publicly available assessment instruments (e.g., SALG, FCI, NSSE)? o Yes o No o Don't Know If no or don't know, skip the rest of this question.	X	X				X
If yes, please list them here: (limit 500 characters)	х	Х				Х

Common Collection		Awarc Catego		iject It Lics	tion	outs
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
What is the primary disciplinary focus of the project?(mark one)00Interdisciplinary00Biological Sciences00 <td>X</td> <td>x</td> <td></td> <td></td> <td>X</td> <td></td>	X	x			X	
<ul> <li>What are the additional disciplinary focuses of the project? (mark one or more)</li> <li>Interdisciplinary</li> <li>Astronomy</li> <li>Biological Sciences</li> <li>Chemistry</li> <li>Computer Sciences</li> <li>Engineering</li> <li>Engineering Technology</li> <li>Geosciences</li> <li>Mathematical Sciences</li> <li>Physics</li> <li>Social and Behavioral Sciences</li> <li>Other, please specify:</li></ul>	х	х			Х	
<ul> <li>2.03. Target Audiences</li> <li>What course levels does your project address? (mark one or more)</li> <li>Upper division</li> <li>Lower division</li> <li>Developmental</li> <li>Don't Know</li> </ul>	x	X			X	

Common Collection Categories		Awaro Catego		oject nt stics	t ation stics	tputs
Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
<ul> <li>What groups are the primary focus of your project?</li> <li>(mark one or more)</li> <li>Faculty (e.g., developing faculty expertise)</li> <li>Preservice teachers</li> <li>Instructional staff (e.g., graduate students, lab assistants, lab technicians, adjunct faculty)</li> <li>Undergraduate STEM majors</li> <li>Undergraduate majors other than STEM</li> <li>Other (please specify):</li></ul>	x	x			X	
Does the project foster scientific and/or technical literacy among students who are in majors other than STEM majors? o Yes o No o Don't Know <b>2.04 Publications and Presentations</b>	x	X				X
Publications	x	x				X

	Common Collection Categories			Awarc Catego		oject nt ștics	ttion stics	tputs
Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs		
Please provide the number that were accepted for public reporting period for each of below. All fields below are required don't know.	ication duri the categor nired. Enter D	ng the current ries described K for anything you						
Publication typesPeer-reviewed journal articles accepted for publication during the current reporting periodPeer-reviewed conference papers or abstracts accepted for inclusion in conference proceedings during the current reporting periodConference papers or abstracts accepted without peer review during the current reporting periodBook chapters in edited volumes accepted for publication during the current reporting periodMonographs or books accepted for publication during the current reporting periodOther publications (e.g., newsletters, magazines) accepted for publication during the current reporting period	Number         accepted	Formats produced Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format Print Online Other electronic format	x	x				x

Common Collection		Awaro Catego		oject nt stics	ation	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
How many presentations or workshops on the project were         delivered during the current reporting period? (Include         presentations that were conducted by individuals trained by the         project.) All fields below are required. Enter DK         for anything you don't know.         Presentation types         No. of presentations         Presentations         Invited conference or         meeting presentations         Invited faculty         development         workshops	x	x				X
2.05 Honors and Awards Did the project receive any honors or awards during						
Did the project receive any honors or awards during the current reporting period? (Include individuals recognized for their contributions to the project.)0Yes0No0Don't KnowIf no or don't know, skip the rest of this question.What honors or awards were received?	x	x				x
Honor or Award Form						
Title	x	x				X
Year	x	X				X
Presenting Organization	x	X				Х
Reason for the honor or award	x	X				Х
2.06. Institutionalization						
Are there plans to sustain the project after NSF funding ends? 0 Yes 0 No 0 Don't Know If no or don't know, skip the rest of this question.	x	х			Х	

Common Collection	(	Awaro Catego		oject nt stics	t ation stics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
<ul> <li>O During the current reporting period, were steps taken to sustain the project's activities after NSF funding ends?</li> <li>O Yes, some steps to sustain the project were taken.</li> <li>O Yes, all of the necessary steps to sustain the project were completed.</li> <li>O No, no steps to sustain the project were taken during the current reporting period. If no, when does the project plan to start? (enter month and year) /</li> <li>O Don't Know</li> </ul>	X	x			X	
2.07. Dissemination						
<ul> <li>Where else are the project's materials, strategies,</li> <li>faculty development activities, or assessment</li> <li>instruments/processes being used? (mark one or more)</li> <li>At lead, collaborative, or subawardee institutions by</li> <li>people not directly involved with the project</li> <li>At the project's other participating institutions by people</li> <li>not directly involved with the project</li> <li>At other institutions across the U.S.</li> <li>At international institutions</li> <li>None of the above</li> <li>Don't know</li> </ul>	x	x				X
2.08. Instructional Materials						
<ul> <li>Did the project develop or adapt instructional materials during the current reporting period?</li> <li>o Yes</li> <li>o No</li> <li>o Don't Know</li> <li>If no or don't know, skip the rest of this question.</li> </ul>	X	X				X

Common Collection		Awaro Catego		oject nt tics	tion ttics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
What types of instructional materials did the project         develop or adapt? (mark one or more)         Case studies         Demonstrations         Educational games         Field activity guides or manuals         Instructor materials for adapting project activities or procedures to new settings         Instructor guides or manuals to guide student activities         Laboratory guides or manuals         Lesson plans         Practice problems or exercises for students         Simulations         Student handbooks or workbooks         Tutorials         Visualizations         Workshop materials for training faculty         Workshop materials for training students         Other instructional materials (please specify):	x	x				X
Note to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:         □       Sample instructional material         □       During the current reporting period, our project:         □       Developed or revised our own [[material type]]         □       Adapted [[material type]] created by others         In these formats:       □         □       print	x	X				X
<ul> <li>2.09. Instructional Strategies</li> <li>Did the project develop or adapt instructional strategies during the current reporting period?</li> <li>0 Yes</li> <li>0 No</li> <li>0 Don't Know</li> <li>If no or don't know, skip the rest of this question.</li> </ul>	x	X				x

Common Collection	(	Awaro Catego		oject nt ștics	ntion stics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
What types of instructional strategies did the project         develop or adapt? (mark one or more)         Case-based learning strategies         Cooperative or collaborative learning strategies         Design activities         Field studies         Hands-on activities (e.g., building or testing objects)         Integrated courses         Laboratory experiences         Learning communities (e.g., student cohorts)         Lectures         Linked courses         Real-time modification strategies based on student performance (e.g., Just-in-Time Teaching)         Pere-instruction strategies (e.g., peer tutoring, peer mentoring)         Personal response systems (e.g., "clickers")         Problem-based learning strategies         Quantitative computational approaches         Strategies involving remote laboratories         Strategies involving formal research experience in classroom laboratories         Strategies involving formal research experience in classroom laboratories         Studio-based strategies         Web-enabled homework submission and grading systems         Web-enabled instruction strategies         Web-enabled repositories         Other instructional strategies (please specify):	x	x				x

Common Collection	(	Awarc Catego		'oject nt ștics	t ation stics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Note to reviewers: The system will show the user the list of instructional strategies above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:         □ Sample instructional strategy         During the current reporting period, our project:         □ Developed or revised our own [[strategy type]]         □ Adapted [[strategy type]] created by others	x	x				X
2.10. Assessment Instruments and Processes						
<ul> <li>Did the project develop or adapt assessment instruments or processes during the current reporting period?</li> <li>o Yes</li> <li>o No</li> <li>o Don't Know</li> <li>If no or don't know, skip the rest of this question.</li> </ul>	X	X				X
<ul> <li>What types of assessment instruments or processes did</li> <li>the project develop or adapt? (mark one or more)</li> <li>Assessment of general knowledge or skill (e.g., critical thinking skills, problem-solving skills)</li> <li>Cognitive protocol interviews</li> <li>Concept inventories</li> <li>Course exams</li> <li>Standardized tests (e.g., Fundamentals of Engineering, American Chemical Society examinations)</li> <li>Performance assessment of skills (e.g., observation and rating of skills)</li> <li>Students' perceptions of their own learning</li> <li>Expert review</li> <li>Other instruments and processes to determine outcomes (please specify):</li> </ul>	x	x				X

Common Collection	(	Awarc Categoi		oject nt tics	Project Implementation Characteristics	puts
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics		Project Outputs
Note to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:	x	x				X
2.11 Deceased On Undergraduate STEM Education						
<b>2.11. Research On Undergraduate STEM Education</b> Did the project conduct research on undergraduate						
STEM education during the current reporting period? O Yes O No O Don't Know If no or don't know, skip the rest of this section.	x	x			х	
What is the topic of your research on undergraduate	x	x			Х	
STEM education? (limit 500 characters)						
<ul> <li>What type of research does your project employ? (mark one)</li> <li>O Qualitative research design</li> <li>O Quantitative research design</li> <li>O Mixed method research design</li> <li>O Don't Know</li> </ul>	X	X			Х	
2.12. Faculty Professional Development Component						
Did the project include a faculty professional development component ? (e.g., seminar, workshop, meeting session) that shared project approaches with other faculty members during the current reporting period? O Yes O No O Don't Know If no or don't know, skip the rest of this section.	X	x			х	

		Commo Collec	tion			Award Categoi	oject nt ștics	ttion	puts		
Questions		Cat	egories		Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>	
	With whom were these approaches during the current reporting period?										
	Graduat e students or postdocs	Faculty	Instructional staff	Other or unknown individuals	X	X		X			
At the lead, collaborating, or subawardee institutions											
At other institutions											
0 Don't Know 0 None	lty profess crent report inary Sciences cience	sional de rting peri y Sciences	velopment e od? (mark o	fforts ne or more)	x	X			X		
If YES: What these efforts c one or more) 2-year Institu Bachelor's d Doctoral deg Nonacademi Other (please Don't know None	luring the ntions egree granti ree granting ree granting c organization	Current i ng institution g institution g institution ons	eporting periods ions is is		x	X		Х			

Common Collection Categories	(	Awarc Catego		'oject nt stics	ation stics	puts
Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
<ul> <li>If YES: Did the institutions represented at the project's faculty professional development efforts have any of the following demographics or special institutional designations? If yes, what types? (mark one or more)</li> <li>Historically Black College or University</li> <li>American Indian Tribally Controlled College or University</li> <li>Institution with High Disabilities Enrollment (&gt;3% Undergraduates)</li> <li>Institution with High American Indian or Alaska Native Enrollment (25% or more) – Not Tribally Controlled</li> <li>Institution with High Black or African American Enrollment (non-Hispanic) (25% or more)</li> <li>Institution with High Native Hawaiian or Other Pacific Islander Enrollment (25% or more)</li> <li>None</li> <li>Not Reported/Don't Know</li> </ul>	x	x		Х		
2.13. Involvement with Project Materials, Strategies, Instruments and Processes						
<ul> <li>Do you know approximately how many students, faculty, and staff were impacted by your award's efforts, or the joint efforts of collaborating awardees, during the current reporting period?</li> <li>o Yes</li> <li>O No (<i>if no, skip the rest of this section</i>)</li> </ul>	x	x	X		Х	
Student Counts						

Categories         and the project's instructional strategies?         Categories         Provide of students from anything you don't know.         Number of students from institutions with minority enrollment of 25% or greater         During the current reporting period approximately         Number of students from 2-year institutions         Report of students institutions         How many undergraduate students were taught using the project's instructional strategies?         How many undergraduate students were taught using the project's instructional strategies?		Award Categor	oject nt stics	t ation stics	puts
don't know.During the current reporting period approximatelyTotal number of studentsNumber of students from 2-year institutionsNumber of students enrollment of 25% or greaterHow many undergraduate students used the project's 	Non-Lead	Lead Collaborative	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Image: construction of the current reporting period approximatelyTotal number of from 2-year studentsstudents institutionsHow many undergraduate students used the project's instructional materials?Image: constructional strategies?Image: constructional strategies?How many undergraduate students used the project's instructional materials?Image: constructional strategies?Image: constructional strategies?How many undergraduate students were stude					
or attitudes were assessed using the project's assessment instruments? <b>Faculty Counts</b>					

	Common Collection				Awaro Catego		oject nt stics	ntion stics	puts
Categories Questions			Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>	
All fields below ard don't know.	e required. Ei	nter DK for an	Number of faculty from						
During the current reporting period approximately .	Total number of faculty	Number of faculty from 2- year institutions	institutions with minority enrollment of 25% or greater						
How many project faculty worked on the project's instructional materials?				x	x	X	X	X	Х
How many project faculty worked on the project's instructional strategies?									
How many project faculty worked on the project's assessment instruments or									
processes? Staff Counts									

		nmon ollection			Awaro Catego		oject nt ștics	ntion stics	puts
Categories Questions				Single	Lead Collaborative	Non-Lead رمينيسير مرينيسينين	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
All fields below are don't know.	required. En	ter DK for any							
During the current reporting period approximately How many non- instructional	Total number of staff	Number of staff from 2-year institutions	Number of staff from institutions with minority enrollment of 25% or greater ?						
professional staff worked on the project? (e.g., lab technicians, professional staff associated with Centers for Teaching and Learning and Centers for Institutional Research, Centers for Institutional Evaluation professional staff)?				x	Х	Х	Х	Х	x
How many non- instructional professional staff used the project's materials, strategies, or assessment instruments with students?									

		ommon Collection			(	Awarc Catego		oject nt stics	ation	puts
Categories					Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
We are interested in whether participants who receive funding to attend faculty professional development activities are more or less likely to implement what they learn. Please estimate how many faculty professional development participants received funds from the project or their institution to attend. Of each group, please also indicate <i>approximately</i> how many are implementing the ideas shared.										
Number of	Participants funded by the project	Participants funded by their institution (if known)	All other participants	-						
Number of       If Knowny         faculty       members         Number of       institutions         represented       by those         by those       faculty         members       Image: state				X	X		X	X	X	
2.14. Involver	ment with F									
Development Faculty Profe		alonmont F	vonte							

	Common Collection				Awarc Catego		oject nt stics	ttion	puts
Categories Questions				Single	Lead Collaborative	Non-Lead کرمینینی	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
During the current reporting period, were any faculty professional development events conducted [, either by your award or jointly among collaborating awardees]? o Yes O No O Don't Know If no or don't know, skip the rest of this section. If YES: All fields below are required. Enter <b>DK</b> for anything you don't know.				x	x	X			X
Faculty Professio	Total number of events	Number of events held at 2-year institutions	nts Conducted Number of events held at institutions with minority enrollment of 25% or greater	x	x	X		X	X

	Common Collection					Awaro Catego		oject nt tics	tion	puts
Categories Questions						Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>
Faculty Involv Events	ement in P	rofession	al Developm	ient						
<ul> <li>project's fa</li> <li>How many project's fa</li> <li>How many project's fa</li> <li>How many project's fa</li> <li>How many to attend the developme</li> <li>How many to attend the developme</li> <li>How many went on to How many went on to</li> <li>How many went on to</li> </ul>	n below: faculty wer aculty profes faculty profes faculty profes any academ rs represent faculty lear faculty lear he project's f	re involve ssional de re involve ssional de ticipated a ssional de <i>nic institut</i> rners recei faculty pro <i>nic institut</i> rners at the what they <i>nic institut</i>	d in creating velopment e d in leading velopment e is learners in velopment e ions do thes ved project ofessional ions do thes learned? ions do thes	g the events? the events? the events? e funding e vents	х	x	Х	Х		X
During the current reporting period approximately  Sample Question	Total number of	Number of faculty from 2- year nstitutions	Number of faculty from institutions with minority enrollment of 25% or greater							

	Common Collection			(	Awaro Catego		oject nt stics	t ation istics	tputs
Categories Questions			Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	<b>Project Outputs</b>	
Graduate Student Professional Dev			ent in						
During the current reporting period approximately How many graduate students and postdocs were involved in creating the project's faculty professional development events? How many graduate students and postdocs were involved in leading the project's faculty professional development events? How many graduate students and postdocs participated as learners in the project's faculty professional development events?	Total number of graduate students and postdocs	Number of graduate students and postdocs from 2-year institutions	Number of graduate students and postdocs from institutions with minority enrollment of 25% or greater	x	Х	Х	х		X

Common Collection	(	Awaro Catego		oject nt stics	tion stics	puts	
Categories Questions	Single	Lead Collaborative	Non-Lead	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs	
Nonacademic Involvement in the Project's Professional Development Events	Faculty						
During the current reporting period approximately	Total number of nonacademic learners						
How many representatives from nonacademic organizations (e.g., professional societies, industry, community organizations) participated as learners in your project's faculty professional development events? How many organizations do these learners represent?	X	X	Х			X	
3. Submit your report to NSF Congratulations! Your report appears conhave one last question: Approximately how many person-hours to complete this report? person to a whole hour)	were required	x	X	X			X
<b>4. Create New User Account</b> Note: This data is only collected for participants TUESWeb (usually only the PI and a data entry of data is collected in order to provide adequate teo is not considered part of the data collection instr	assistant). The chnical support; it						
E-mail Address	ument.	x	x	x	X		
Project Role O Co- primary Investigator O Data Entry Personnel O Project Coordinator O Other			x	х		Х	
Name: Honorific							
					Х		
First Middle Last		x	X	Х	Α		
Middle Last Suffix							
Middle Last Suffix Phone		x	X	X	X		
Middle Last Suffix							

Common Collection	Award Category			'roject ant istics	ation	Outputs
Categories uestions		Lead Collaborative	Non-Lead	Staff and Proj Participant Characteristi	and P rticip Projec emen	
Access Privileges (mark all that apply)						
🗹 Can View Data						
🗖 Can Edit Data						
Can Manage User Access						
□ Receives Reminders (automatically set to "yes" if	X	X	Х		X	
Role=Project Coordinator)						
(button): Remove from this report						
Note: The Lead PI's privileges are automatically set to "yes" for						
all privileges.						

#### TUES: Number of Respondents, Frequency of Response, and Annual Hour Burden

The estimated average number of annual respondents is 1,210, with an estimated average annual response burden of 4,840 hours. The Web-based collection is an annual activity of the TUES program that opened for its first data collection cycle in February 2012. There will be approximately 1,210 active respondents at a given point in time, and new respondents will enter at approximately the same rate that respondents leave the program or projects as their funding expires.

Respondent Type	Estimated Average Annual No. of Respondents	Estimated Average Annual Burden Hours Per Respondent	
PIs	1,21	0 4	4,840
Total	1,21	0	4,840

The burden estimate is outlined below:

## **TUES: Hour Burden Estimates by Each Form and Aggregate Hour Burdens**

Respondents will be project PIs. The estimated total annual response burden is 4,840 hours. The annual burden by form was calculated as follows:

Form Type	Respondent Type	No. of Respondents	Burden Hours Per Respondent	Total Burden Hours
TUES data collection form	PIs	1,210	) 4	4,840
Total		1,210		4,840

### **TUES: Estimates of Annualized Cost to Respondents for the Hour Burdens**

The overall annualized cost to the respondents is estimated to be \$198,440. The following table shows the annualized estimates of costs to PI respondents, who are generally university professors. This estimated hourly rate is based on a report from the American Association of University Professors, "Annual Report on the Economic Status of the Profession, 2011-12," *Academe*, March–April 2012, Survey Report Table 4. According to this <u>report</u>, the average salary of an associate professor across all types of doctoral-granting institutions (public, private-independent, religiously affiliated) was \$86,319. When divided by the number of standard annual work hours (2,080), this calculates to approximately \$41 per hour.

Respondent Type	No. of Respondents	Burden Hours Per Respondent	Average Hourly Rate	Estimated Annual Cost
PIs	1,210	4	\$41	\$198,440
Total	1,210			\$198,440

## **TUES: Estimates of Costs to Federal Government**

Computing the annualized cost to NSF for the TUES data collection was done by taking the budgets for three years and calculating the costs for each of the following operational activities involved in producing, maintaining, and conducting the TUES data collection:

Operational Activities	<b>Cost Over Three Years</b>
System Development (includes initial development of the database and Web-based application, and later changes requested by the program, e.g., increased reporting tools, additional validations)	\$858,970
System Maintenance, Updates, and Technical Support (the system requires updates each year before opening the collection; maintenance is required to keep the system current with technology, e.g., database servers, operating systems)	\$370,536
Data Collection Opening and Support (e.g., online and telephone support to respondents and contacting respondents to encourage completion of the questions), Reporting (as defined by DUE), and Followup Activities (e.g., providing data to other consultants)	\$454,749
Three-Year Total for All Operational Activities	\$1,684,255

The annualized cost was computed as one-third of the total three-year costs; thus, the annualized cost to NSF for the TUES data collection is \$561,418.

## **TUES: Questions**

		Catego	ry
	Single	Lead Collaborative	Non-Lead
<ul> <li>Notes:</li> <li>The System presents only those questions that are logically relevant to the type of award and previously answered questions. All questions pertain to the current reporting period's participants, implementation, and outputs. All requested questions are required.</li> <li>Three major categories drive the tailoring of the system to the award type. We have included columns to indicate these, which are: <ul> <li>Single Award</li> <li>Lead Collaborative Award (most questions)</li> </ul> </li> <li>For most questions respondents have the option to select a "don't know" option or can enter "DK."</li> </ul>			
• For most questions respondents have the option to add comments. The data elements associated with these comments are not shown in the crosswalk because the comments are entirely optional.			
<b>A. Confirm Award Information</b> Note: If any of the respondent's answers in this section are inconsistent with the type of award that was preloaded, the data submission will be placed on hold. The respondent will receive the following notice: "This basic project information must be correct before you can begin entering data for this project. The TUESWeb Support Desk will contact you to find out what needs to be updated."			
Is [PI Name] the lead PI on Award No. [NSF Award Number]? Yes No	x	x	x
<ul> <li>What type of proposal was submitted for this award ?</li> <li>O A Single Proposal that resulted in only this award (possibly including subawards for collaborating organizations)</li> <li>O A Collaborative Proposal that included simultaneous linked proposals from investigators at different organizations, with each organization receiving its own</li> </ul>	X	x	X
TUES/CCLI award.	1	x	x

<b>4.1. Award Details</b> <i>Award information in this section is preloaded and displayed for verification purposes.</i>			
PIs can contact the technical support team to report data that should be updated, but			
they cannot edit this data directly via the data collection instrument. Because some			
awards have supplemental awards, there may be more than one award associated with each report. The "embedded" awards are listed on each screen, but are not mentioned in			
the main questions.			
NSF Award No.	x	X	x
Award Title	X	X	X
PI Organization	X	X	X
	Λ	Λ	Λ
Official Grantee Institution	X	х	х
This data element appears only if it differs from the PI Organization.			
Phase or Type			
The system will list one of the following types:			
Phase 1/Type 1	x	Х	х
<ul> <li>Phase 2/Type 2</li> <li>Phase 3/Type 2</li> </ul>			
<ul> <li>Phase 5/1ype 2</li> <li>Central Resource Project</li> </ul>			
Award Start Date	x	X	x
For consolidated awards: First Award's Start Date	X	X	X
Award End Date	X	X	X
Lead PI's Name	X	X	X
Lead PI's Discipline	X	Х	Х
TUES/CCLI Awards in this collaborative project:			
[[PI]], [[PI Organization]] – Lead Award			
[[PI a]], [[PI Organization a]] – Collaborating Award		Х	Х
 [[PI n]], [[PI Organization n]] – Collaborating Award			
Do you need to update any of this information?			
0 Yes	x	х	х
0 No		Λ	Λ
If yes, please describe the details you'd like to update:	X	X	X
4.2. About Your Institution			

Type of institution: [PI institution name], [City], [State] has the following classification in <i>the Integrated Postsecondary Data</i> <i>System</i> (IPEDS): [Institution Type] [Other specify value if present] If you believe this is incorrect, you can change it below. If you are not sure, use the IPEDS classification: o 2-year Institution o 2-year Institution on a 4-year College or University Campus			
<ul> <li>Bachelor's degree granting institution</li> <li>Master's degree granting institution</li> <li>Doctoral degree granting institution</li> </ul>			
<ul><li>O Other U.S. Department of Education IPEDs Type</li><li>O Don't know</li></ul>	x	x	Х
If Other: Please specify: OR			
Type of Organization: (mark one or more)  Academic Consortium Business Consultant National Laboratory Museum Nonprofit Professional Society Research Institute Other (please specify):			
4.3. Subawards			
Were subaward funds expended or transferred from this award to any subawardees during the current reporting period? o Yes o No	x	x	х
<b>Enter information for a subaward organization</b> <i>Provide the following information for the CCLI/TUES subaward institution. This subsection repeats for each institution</i>			
<ul> <li>What type of organization received this subaward?</li> <li>o Academic institution (not including academic consortiums)</li> <li>o Other type of organization</li> </ul>	X	x	X
Academic Subaward Institution			
What is the name of the institution?	X	X	X

Type of institution: [PI institution name], [City], [State] has the following classification in the Integrated Postsecondary Data System (IPEDS): [Institution Type] [Other specify value if present]XXXIf you believe this is incorrect, you can change it below. If you are not sure, use the IPEDS classification: 0 2-year Institution on a 4-year College or University CampusXXXO2-year Institution on a 4-year College or University Campus0Bachelor's degree granting institution 0 Master's degree granting institutionIf you believe this is institution 0 Other U.S. Department of Education IPEDs TypeIf you are not
has the following classification in the Integrated Postsecondary Data System (IPEDS): [Institution Type] [Other specify value if present]xxIf you believe this is incorrect, you can change it below. If you are not sure, use the IPEDS classification: 0 2-year Institutionxxx0 2-year Institution 0 2-year Institution on a 4-year College or University Campus 0 Bachelor's degree granting institution 0 Doctoral degree granting institutionxxx
System (IPEDS): [Institution Type] [Other specify value if present]If present]If you believe this is incorrect, you can change it below. If you are notsure, use the IPEDS classification: 0 2-year Institutionxxx <t< td=""></t<>
[Institution Type] [Other specify value if present]If you believe this is incorrect, you can change it below. If you are not sure, use the IPEDS classification: 0 2-year InstitutionXXX0 2-year Institution 0 3chelor's degree granting institution 0 Master's degree granting institutionXXX
[Other specify value if present]xxxIf you believe this is incorrect, you can change it below. If you are notxxxsure, use the IPEDS classification:xxx02-year Institutionxxx02-year Institution on a 4-year College or University Campusxx0Bachelor's degree granting institutionxx0Master's degree granting institutionxx0Doctoral degree granting institutionxx
If you believe this is incorrect, you can change it below. If you are not sure, use the IPEDS classification: 
sure, use the IPEDS classification:xxx02-year Institution2-year Institution on a 4-year College or University Campusxx02-year Institution on a 4-year College or University Campusxx0Bachelor's degree granting institutionxx0Master's degree granting institutionxx0Doctoral degree granting institutionxx
<ul> <li>2-year Institution</li> <li>2-year Institution on a 4-year College or University Campus</li> <li>Bachelor's degree granting institution</li> <li>Master's degree granting institution</li> <li>Doctoral degree granting institution</li> </ul>
<ul> <li>O 2-year Institution on a 4-year College or University Campus</li> <li>O Bachelor's degree granting institution</li> <li>O Master's degree granting institution</li> <li>O Doctoral degree granting institution</li> </ul>
<ul> <li>Bachelor's degree granting institution</li> <li>Master's degree granting institution</li> <li>Doctoral degree granting institution</li> </ul>
<ul><li>Master's degree granting institution</li><li>Doctoral degree granting institution</li></ul>
0 Doctoral degree granting institution
0 Don't know
If Other: Please specify:
How many faculty from this institution were involved?xx
How many students from this institution were involved?xxXXX
Other Type of Subaward Organization     X     X
Which of the following describes this organization? (mark one or more)
Academic Consortium
□ Business
□ National Laboratory
□ Museum X X X
□ Nonprofit
Professional Society
Research Institute
□ Other (please specify): □ Don't Know
All Subaward Organization Types
Approximately what amount of subaward funds did your award transfer to
this organization during the current reporting period?
Checkbox option (matching how this question can also be answered elsewhere in the
instrument.)
□ This organization houses or plans to house any laboratory instruments
that BOTH:
1) Cost more than \$5,000 each, AND
2) Were purchased with TUES/CCLI funds during the current reporting
period?
4.4. Other Participating Organizations

TUES/CCLI projects. Did any in your project during the curr subawardees or other awardee o Yes o No o Don't know	<ul> <li>O No</li> <li>O Don't know</li> <li>If no or don't know, skip the questions in this section.</li> </ul>							
<ul> <li>If no or don't know, skip the questions in this section.</li> <li>Which of the following types of organizations participated significantly in your project? Put a check beside each type that participated. Then, for each type, indicate the number of organizations participating, numbers of faculty/professionals participating, and numbers of students that participated altogether for that type. It is okay to count the same organization or individual in multiple categories.</li> <li>DO NOT include your organization, subawardee organizations, or organizations that should be independently reported by collaborating awardees.</li> <li>Include organizations that received project funds, as well as organizations that did not.</li> <li>Enter 0 for none. Enter DK for anything you don't know.</li> <li>The column headers for these tables are:</li> <li>How many of this type of organization participated significantly?</li> <li>How many faculty or professionals from this type of organization participated?</li> <li>F. How many students from this type of organization participated?</li> </ul>								
	A	В	С					
U.S. academic institutions by highest degree granted:				-				
2-year Institutions				_				
2-year Institutions on a 4-year College or University Campus				_				
Bachelor's Degree Granting Institutions				-	x	х	x	
Master's Degree Granting Institutions				_				
Doctoral Degree Granting Institutions								
Other U.S. Department of Education IPEDs type(s) (please specify):				-				

	A	В	C				
U.S. academic institutions by							
enrollment demographics:							
Institutions with High							
Disabilities Enrollment (>3%							
Undergraduates)							
Institutions with High American							
Indian or Alaska Native							
Enrollment (25% or more) –							
Not Tribally Controlled					Х	X	X
Institutions with High Black or African American Enrollment							
(non-Hispanic) (25% or more)							
Institutions with High Hispanic							
Enrollment (25% or more)							
Institutions with High Native							
Hawaiian or Other Pacific							
Islander Enrollment (25% or							
more)							
	A	В	С				
U.S. academic institutions							
with special designations:							
Historically Black Colleges or					х	x	x
Universities					л	Λ	^
American Indian Tribally							
Controlled Colleges or							
Universities							
	A	В	C				
Nonacademic organizations							
Businesses							
Consultants							
National Laboratories					Х	X	X
Museums							
Non-profits							
Professional Societies							
Other type(s) of Nonacademic							
organizations (please specify):							
4.5. Uses of Award Fund	.s						
Student Support							
During this reporting period,	were fu	nds fror	n this	award used to support	<u> </u>		
students (undergraduate, grad				amata abea to support			
o Yes	iuaie, Ol	posido	cs):				
0 No					Х	x	Х
0 Don't know							
If no or don't know, skip the remain	nina auco	tions in +1	his sact	ion			
I TO OF UOIL E KILOW, SKIP LITE PERILUIT	ing quest		IIS SECL	IVIL			l

If yes, how many students were paid to work on the project using funds from this award?			
	x	х	х
<ul> <li>Number of undergraduate students paid:</li> <li>Number of graduate students paid:</li> </ul>		Α	Λ
Fulliber of Brudulte Students pula.			
Number of postdocs paid:     Laboratory Instrument Purchases			
Did you purchase scientific instruments for laboratory improvement with			
this award during this reporting period?			
0 Yes			
o No	X	х	Х
0 Don't know			
If no or don't know, skip the remaining questions in this section			
Total price of all laboratory instruments purchased with this award during			
this reporting period:	X	х	х
<i>If &lt;\$5,000, skip the remaining questions in this section.</i>			
Number of instruments purchased with this award that cost			
more than \$5,000:	x	х	х
If 0, skip the next question.			
Where are these new laboratory instruments (that cost \$5,000 or more)			
housed? (Or if they have not been received yet, where will they be			
housed?) (mark one or more)			
□ At [name of PI's institution]			
□ At [name of lead institution]			
□ At [name of collaborating institution 1]			
□ At [name of collaborating institution 2]	x	х	х
[list all collaborating institutions]			
At [name of subawardee institution 1]			
□ At [name of subawardee institution 2]			
[list all subawardee institutions]			
<ul> <li>At other participating institutions</li> <li>Other (please specify):</li> </ul>			
Don't know			
4.6. Project Management and Evaluation			
Were any project evaluations conducted during the current reporting			
period?			
o Yes	x	х	х
0 No		Α	Δ
0 Don't Know			
If no or don't know, skip the next question.			
If Yes, How did you use the information from your project's evaluation?			
(mark one or more)			
□ To improve the project □ To decument accomplishments			
<ul> <li>To document accomplishments</li> <li>To assess changes in knowledge, skills, or attitudes of undergraduate students</li> </ul>			
□ To assess changes in knowledge, skills, or attitudes of undergraduate students	X	Х	Х
□ To assess changes in knowledge, skills, or attitudes of faculty			
□ None of the above (if so, skip the next question)			
□ Other (please specify):	1		
Don't know (if so, skip the next question)			

Were the project activities supported by this award implemented in courses or course-related laboratory sections during the current reporting period? <i>o</i> Yes <i>o</i> No <i>o</i> Don't Know If no or don't know, skip the rest of this question.	x	x	x
In how many courses or course-related lab sections were project activities implemented during the current reporting period?	x	х	x
In all these courses or lab sections combined, approximately how many undergraduate students were exposed to the project's materials or instructional strategies?	x	x	x
In all these courses or lab sections combined, what percentage of students	X	х	x
received a passing grade			
4.7. Reflection			
What is the <b>single</b> most important project accomplishment for the reporting period? ( <i>limit 500 characters</i> )	x	Х	Х
What is the <b>single</b> most significant challenge that the project faced during the reporting period? ( <i>limit 500 characters</i> )	x	X	х
What changes were made to the project, as outlined in the proposal, during	x	X	x
the reporting period? (limit 500 characters)			
5. Tell Us About Your Project's Activities	X		
Tell Us About The Project as a Whole	Λ	X	
Tell Us About Your Award's Independent		Λ	
Project Activities			Х
2.01. TUES/CCLI Program Components			
<ul> <li>During the current reporting period, did your institution, or any of your subawardee institutions, engage in any project activities or project work <i>independent of</i> the other awardee institutions in your TUES/CCLI</li> <li>Collaborative Project?</li> <li>Yes, we or our subawardees engaged in independent project work.</li> <li>No, all our work involved collaboration with other awardees in the TUES/CCLI</li> <li>Collaborative Project (<i>if no, skip the rest of this section, but to ensure accurate counts please be sure that the Lead PI knows about your involvement in any collaborative project activities, particularly if there are any where the Lead Organization was not directly involved)</i></li> </ul>			x
<ul> <li>What is the primary way that your project contributes to the development</li> <li>of exemplary undergraduate STEM education? (mark one)</li> <li>o Assessing and evaluating student achievement</li> <li>o Conducting research on undergraduate STEM education</li> <li>o Developing or adapting learning materials</li> <li>o Developing, adapting, or implementing new instructional strategies</li> <li>o Developing faculty expertise</li> </ul>	x	X	

<ul> <li>What other ways does your project contribute to the development of exemplary undergraduate STEM education? (mark one or more)</li> <li>Assessing and evaluating student achievement</li> <li>Conducting research on undergraduate STEM education</li> <li>Developing or adapting learning materials</li> <li>Developing, adapting, or implementing new instructional strategies</li> <li>Developing faculty expertise</li> <li>None of the above</li> </ul>	x	X	
<ul> <li>Did the <i>independent</i> project activities supported by your award(s) during the current reporting period include developing or adapting any of the following:</li> <li>Instructional materials</li> <li>Instructional strategies</li> <li>Assessment instruments or processes to assess student achievement</li> <li>None of the above</li> </ul>			х
Does a significant aspect of the project include the introduction of new disciplinary knowledge into undergraduate curricula? o Yes o No o Don't Know	x	X	
Did the project administer any publicly available assessment instruments (e.g., SALG, FCI, NSSE)? o Yes o No o Don't Know If no or don't know, skip the rest of this question.	x	Х	
If yes, please list them here: (limit 500 characters)	X	Х	
<b>2.02. Disciplinary Focus</b> What is the <i>primary</i> disciplinary focus of the project? (mark one)			
<ul> <li>o Interdisciplinary disciplinary focus of the project: (mark one)</li> <li>o Interdisciplinary</li> <li>o Astronomy</li> <li>o Biological Sciences</li> <li>o Chemistry</li> <li>o Computer Sciences</li> <li>o Engineering</li> <li>o Engineering Technology</li> <li>o Geosciences</li> <li>o Mathematical Sciences</li> <li>o Physics</li> <li>o Social and Behavioral Sciences</li> <li>o Other, please specify:</li></ul>	x	X	

What	are the additional disciplinary focuses of the project? (mark one or				
more)					
/	erdisciplinary				
	tronomy				
	ological Sciences				
	emistry				
	mputer Sciences				
	gineering				
	gineering Technology	Х	Х		
	posciences				
	athematical Sciences				
	ysics				
	cial and Behavioral Sciences				
	her, please specify:				
O No					
0 Do	on't Know				
	2.03. Target Audiences				
	course levels does your project address? (mark one or more)				
	□ Upper division				
	ver division	Х	х		
	relopmental				
Dor Dor	ı't Know				
What	What groups are the primary focus of your project? (mark one or more)				
	ulty (e.g., developing faculty expertise)				
D Pres	service teachers				
	ructional staff (e.g., graduate students, lab assistants,				
	technicians, adjunct faculty)	Х	Х		
	lergraduate STEM majors				
	lergraduate majors other than STEM				
	er (please specify):				
	I't Know				
	the project foster scientific and/or technical literacy among students				
	re in majors other than STEM majors?				
O Ye		Х	х		
O No					
	n't Know				
	Publications and Presentations				
Public	cations	х	Х		

Please provide the num for publication during categories described b you don't know.	the current repor	ting period	for each of the			
Publication types		Number accepted	Formats produced	_		
Peer-reviewed journal articles accepted for publication during the current reporting period						
Peer-reviewed conference papers or abstracts accepted for inclusion in conference proceedings during the current reporting periodImage: formatOnline formatOnline				_		
Conference papers or abstracts accepted     Image: Print       without peer review during the current     Online       reporting period     Other electronic				х	х	
Book chapters in edited volumes accepted for publication during the current reporting period <ul> <li>Print</li> <li>Online</li> <li>Other electronic format</li> </ul>				_		
Monographs or books accepted for publication during the current reporting period D Print Online Other electronic format						
Other publications (e.g., newsletters, magazines) accepted for publication during the current reporting period Print Online Other electronic format				7		
Presentations						
How many presentations or reporting period? (Include	presentations that w	ere conducted				
Presentation types	No. of presentation	S				
Peer-reviewed conference				x	X	
presentations Invited conference or meeting presentations Invited faculty						
development workshops 2.05 Honors and Aw	ards					

Did the project receive any honors or awards during the current         reporting period? (Include individuals recognized for their contributions         to the project.)         0       Yes         0       No         0       Don't Know         If no or don't know, skip the rest of this question.         What honors or awards were received?	x	x	
Honor or Award Form	-		
Title			
	X	X	
Year	X	X	
Presenting Organization	X	X	
Reason for the honor or award	X	X	
2.06. Institutionalization			
Are there plans to sustain the project after NSF funding ends?			
0 Yes			
0 No	X	X	
0 Don't Know			
If no or don't know, skip the rest of this question. O During the current reporting period, were steps taken to sustain the project's			
activities after NSF funding ends?			
<ul><li>O Yes, some steps to sustain the project were taken.</li></ul>			
<ul> <li>Yes, all of the necessary steps to sustain the project were completed.</li> </ul>	X	x	
• No, no steps to sustain the project were taken during the current reporting period.			
If no, when does the project plan to start? (enter month and year) /			
0 Don't Know			
2.07. Dissemination			
Where else are the project's materials, strategies, faculty development			
activities, or assessment instruments/processes being used? (mark one or			
more)			
□ At lead, collaborative, or subawardee institutions by			
people not directly involved with the project			
□ At the project's other participating institutions by people	X	X	
not directly involved with the project			
At other institutions across the U.S.			
<ul> <li>At international institutions</li> <li>None of the above</li> </ul>			
Don't know			
2.08. Instructional Materials			
Did the project develop or adapt instructional materials during the current			
reporting period?			
0 Yes			
0 No	X	X	
0 Don't Know			
<i>If no or don't know, skip the rest of this question.</i>			

What types of instructional materials did the project develop or adapt?       Image: Case studies         (mark one or more)       Image: Case studies         Demonstrations       Image: Case studies         Educational games       Image: Case studies or manuals         Instructor materials for adapting project activities or procedures to new settings       Image: Case studies or manuals to guide student activities         Laboratory guides or manuals       Image: Case student activities       Image: Case student activities         Lesson plans       X       X         Practice problems or exercises for students       Image: Case student activities       Image: Case student activities         Simulations       Software tools including web-enhanced tools       Image: Case student and books or workbooks       Image: Case student and books or workbooks         Textbooks       Tutorials       Image: Case student activities       Image: Case student activities         Workshop materials for training faculty       Workshop materials for training students       Image: Case student activities       Image: Case student and books         Other instructional materials (please specify):       Image: Case student and books       Image: Case student activities       Image: Case student activities         Workshop materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:       Image: Case student activities </th
Case studiesIIIIIDemonstrationsIEducational gamesIIIIEducational gamesField activity guides or manualsIIIIIIInstructor materials for adapting project activities or procedures to new settingsII
DemonstrationsImage: Selection of the system will choose the materials for the list that apply to his or her project. For each item chosen, the system will display the following questions:Image: Selection of the system will display the following questions:
Educational gamesImage: Second se
Field activity guides or manualsInstructor materials for adapting project activities or procedures to new settingsIstructor guides or manuals to guide student activitiesLaboratory guides or manuals to guide student activitiesXXLaboratory guides or manualsXXPractice problems or exercises for studentsSimulationsIstructor guides or workbooksStudent handbooks or workbooksIstudent handbooks or workbooksIstructorialsTutorialsVisualizationsIstructional materials for training facultyIstructional materials (please specify):Note to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:Istructional materials (please specify):
Instructor materials for adapting project activities or procedures to new settingsIInstructor guides or manuals to guide student activitiesXLaboratory guides or manualsXLesson plansXPractice problems or exercises for studentsISimulationsSoftware tools including web-enhanced toolsStudent handbooks or workbooksTextbooksTextbooksITutorialsVisualizationsVisualizationsIWorkshop materials for training facultyWorkshop materials for training studentsOther instructional materials (please specify):INote to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
procedures to new settings
Instructor guides or manuals to guide student activitiesXXLaboratory guides or manualsXXLesson plansXXPractice problems or exercises for studentsImage: SimulationsImage: SimulationsSoftware tools including web-enhanced toolsImage: Student handbooks or workbooksImage: Student handbooks or workbooksTextbooksImage: Student handbooks or workbooksImage: Student handbooks or workbooksTutorialsImage: Student handbooks or workbooksImage: Student handbooks or workbooksWorkshop materials for training facultyImage: Student handbooksWorkshop materials for training facultyImage: Student handbooksWorkshop materials for training studentsImage: Student handbooksOther instructional materials (please specify):Image: Student handbooksNote to reviewers: The system will show the user the list of instructional materials above.The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
Laboratory guides or manualsXXLesson plansXXPractice problems or exercises for studentsSimulationsSimulationsSoftware tools including web-enhanced toolsIStudent handbooks or workbooksITextbooksITutorialsIVisualizationsIWorkshop materials for training facultyIWorkshop materials for training studentsIOther instructional materials (please specify):INote to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
Lesson plansXXPractice problems or exercises for studentsISimulationsISoftware tools including web-enhanced toolsIStudent handbooks or workbooksITextbooksITutorialsIVisualizationsIWorkshop materials for training facultyIWorkshop materials for training studentsIOther instructional materials (please specify):INote to reviewers: The system will show the user the list of instructional materials above.The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
<ul> <li>Practice problems or exercises for students</li> <li>Simulations</li> <li>Software tools including web-enhanced tools</li> <li>Student handbooks or workbooks</li> <li>Textbooks</li> <li>Tutorials</li> <li>Visualizations</li> <li>Workshop materials for training faculty</li> <li>Workshop materials for training students</li> <li>Other instructional materials (please specify):</li></ul>
Simulations       Image: Simulations         Software tools including web-enhanced tools       Image: Simulations         Student handbooks or workbooks       Image: Simulations         Textbooks       Image: Simulations         Visualizations       Image: Simulations         Workshop materials for training faculty       Image: Simulations         Workshop materials for training students       Image: Simulations         Other instructional materials (please specify):       Image: Simulations         Note to reviewers: The system will show the user the list of instructional materials above.       Image: Simulations         The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:       Image: Simulations
Software tools including web-enhanced tools       Image: Student handbooks or workbooks         Student handbooks or workbooks       Image: Student handbooks or workbooks         Textbooks       Image: Student handbooks or workbooks         Tutorials       Image: Student handbooks or workbooks         Visualizations       Image: Student handbooks or training faculty         Workshop materials for training faculty       Image: Student handbooks or training students         Other instructional materials (please specify):       Image: Student handbooks or the list of instructional materials above.         Note to reviewers: The system will show the user the list of instructional materials above.       Image: Student handbooks or her project. For each handbooks or her projec
Student handbooks or workbooks         Textbooks         Tutorials         Visualizations         Workshop materials for training faculty         Workshop materials for training students         Other instructional materials (please specify):         Note to reviewers: The system will show the user the list of instructional materials above.         The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
Textbooks       Image: Construction of the list of instruction of the list
<ul> <li>Visualizations</li> <li>Workshop materials for training faculty</li> <li>Workshop materials for training students</li> <li>Other instructional materials (please specify):</li></ul>
Workshop materials for training faculty       Workshop materials for training students         Other instructional materials (please specify):       Image: Context and the system will show the user the list of instructional materials above.         Note to reviewers: The system will show the user the list of instructional materials above.       Image: Context and the system will show the user the list of the system.         Image: Workshop materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:       Image: Context and the system will display the following questions:
Workshop materials for training students       Image: Constructional materials of the system will show the user specify:
Workshop materials for training students       Image: Constructional materials of the system will show the user specify:
Note to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:
item chosen, the system will display the following questions:
□ Sample instructional material
During the current reporting period, our project: X X
Developed or revised our own [[material type]]
□ Adapted [[material type]] created by others
In these formats:
□ print □ online □ other electronic format
2.09. Instructional Strategies
Did the project develop or adapt instructional strategies during the current
reporting period?
o Yes
O NO X X
0 Don't Know
<i>If no or don't know, skip the rest of this question.</i>

What types of instructional strategies did the project develop or adapt?         (mark one or more)         Case-based learning strategies         Cooperative or collaborative learning strategies         Design activities         Field studies         Hands-on activities (e.g., building or testing objects)         Integrated courses         Laboratory experiences         Learning communities (e.g., student cohorts)         Lectures         Linked courses         Real-time modification strategies based on student performance (e.g., Just-in-Time Teaching)         Peer-instruction strategies (e.g., peer tutoring, peer mentoring)         Personal response systems (e.g., "clickers")         Problem-based learning strategies         Quantitative computational approaches         Strategies involving remote laboratories         Strategies involving formal research experience in classroom laboratories         Strategies involving strategies         Studio-based strategies         Web-enabled homework submission and grading systems         Web-enabled instruction strategies         Web-enabled instruction strategies         Web-enabled instruction strategies	x	X	
tools         Other instructional strategies (please specify):         Note to reviewers: The system will show the user the list of instructional strategies above. The user will choose the materials from the list that apply to his or her project. For each item chosen, the system will display the following questions:         □ Sample instructional strategy         During the current reporting period, our project:         □ Developed or revised our own [[strategy type]]         □ Adapted [[strategy type]] created by others	x	X	
<b>2.10. Assessment Instruments and Processes</b> Did the project develop or adapt assessment instruments or processes			
during the current reporting period? o Yes o No o Don't Know If no or don't know, skip the rest of this question.	X	x	

			1
<ul> <li>What types of assessment instruments or processes did the project develop or adapt? (mark one or more)</li> <li>Assessment of general knowledge or skill (e.g., critical thinking skills, problem-solving skills)</li> <li>Cognitive protocol interviews</li> <li>Concept inventories</li> <li>Course exams</li> <li>Standardized tests (e.g., Fundamentals of Engineering, American Chemical Society examinations)</li> <li>Performance assessment of skills (e.g., observation and rating of skills)</li> <li>Students' perceptions of their own learning</li> <li>Expert review</li> <li>Other instruments and processes to determine outcomes (please specify):</li> </ul>	x	х	
Note to reviewers: The system will show the user the list of instructional materials above. The user will choose the materials from the list that apply to his or her project. For			
each item chosen, the system will display the following questions:			
□ Sample assessment instrument or process	x	х	
During the current reporting period, our project:			
Developed or revised our own [[assessment type]]			
Adapted [[assessment type]] created by others			
<i>In these formats:</i> □ print □ online □ other electronic format			
2.11. Research On Undergraduate STEM Education			
Did the project conduct research on undergraduate STEM education			
during the current reporting period?			
0 Yes	x	Х	
0 No 0 Don't Know			
If no or don't know, skip the rest of this section.			
What is the topic of your research on undergraduate STEM education?			
(limit 500 characters)	X	X	
What type of research does your project employ? (mark one)			
O Qualitative research design			
<ul> <li>Quantitative research design</li> <li>Mixed method recearch design</li> </ul>	X	Х	
<ul><li>O Mixed method research design</li><li>O Don't Know</li></ul>			
2.12. Faculty Professional Development Component			
Did the project include a faculty professional development component ?			
(e.g., seminar, workshop, meeting session) that shared project approaches			
with other faculty members during the current reporting period?			
0 Yes	X	Х	
O NO			
0 Don't Know			
<i>If no or don't know, skip the rest of this section.</i>			

If YES: With the current					ared during			
	Graduat e students or postdocs	Faculty	Instructional	Other or unknown individuals		v	V	
At the lead, collaborating, or subawardee institutions						X	X	
At other institutions								
If YES: which disciplines were the focus of the project's faculty         professional development efforts during the current reporting period?         (mark one or more)         0       Interdisciplinary         0       Astronomy         0       Biological Sciences         0       Chemistry         0       Computer Sciences         0       Engineering         0       Engineering Technology         0       Geosciences         0       Mathematical Sciences         0       Physics         0       Social and Behavioral Sciences         0       Other, please specify:							X	
If YES: What types of institutions were represented at these efforts during the current reporting period (mark one or more) 2-year Institutions Bachelor's degree granting institutions Master's degree granting institutions Doctoral degree granting institutions Nonacademic organizations Other (please specify): Don't know None						X	X	

If YES: Did the institutions represented at the project's faculty professional development efforts have any of the following demographics or special institutional designations? If yes, what types? (mark one or more) Historically Black College or University American Indian Tribally Controlled College or University Institution with High Disabilities Enrollment (>3% Undergraduates) Institution with High American Indian or Alaska Native Enrollment (25% or more) – Not Tribally Controlled Institution with High Black or African American Enrollment (non-Hispanic) (25% or more) Institution with High Hispanic Enrollment (25% or more) Institution with High Native Hawaiian or Other Pacific Islander Enrollment (25% or more) None Not Reported/Don't Know						
2.13. Involvement with Pr						
<b>Processes</b> Do you know approximatel						
<ul> <li>impacted by your award's e awardees, during the curren</li> <li>Yes</li> <li>No (if no, skip the rest of this</li> </ul>	x	X	х			
Student Counts						
All fields below are required. Ent						
During the current reporting period approximately	Total number of students	Number of students from 2-year institutions	Number of students from institutions with minority enrollment of 25% or greater			
How many undergraduate students used the project's instructional materials?						
How many undergraduate students were taught using the project's instructional strategies?						
How many undergraduate students' knowledge, skills, or attitudes were assessed using the project's assessment instruments?						
Faculty Counts	1	1	i			

During the current reporting period approximately	Total numb of fac	ber	facu year	nber of 1lty from 2- r itutions	fr W ei	fumber of faculty rom institutions rith minority nrollment of 25% r greater			
How many project faculty worked on the project's instructional materials? How many project							x	X	X
faculty worked on the project's instructional strategies? How many project									
faculty worked on the project's assessment instruments or processes?									
<b>Staff Counts</b> All fields below are require	1	DV fo		vthing vo		an't know			
During the current reporti period approximately		Total numl of sta	l Der	Number of staff from 2 year institutions		Number of staff from institutions with minority enrollment of 25% or greater ?			
How many non-instructional professional staff worked on the project? (e.g., lab technicians, professional staff associated with Centers for Teaching and Learning and Centers for Institutional Research, Centers for Institutional Evaluation professional staff)?							x	Х	х
How many non-instruction professional staff used the project's materials, strateg or assessment instruments students?	gies,								

faculty profess implement wh development p	sional devel at they lear participants attend. Of ea	lopment act n. Please es received fu ach group, j	ivities are mor stimate how ma nds from the p please also indi	ve funding to attend e or less likely to any faculty professional roject or their cate <i>approximately</i>			
	Participants funded by the project	Participants funded by their institution (if known)	All other participants				
Number of faculty members Number of					х	х	
institutions represented by those faculty members							
Number of faculty implementing what they learned							
required in fut	ture years	-	is optional this	s year, but may be			
				ciopinene			
Faculty Professional Development EventsDuring the current reporting period, were any faculty professional development events conducted [, either by your award or jointly among collaborating awardees]?0Yes0No0Don't KnowIf no or don't know, skip the rest of this section.							x
If YES: All fields	below are rea	quired. Enter	<b>DK</b> for anything y	ou don't know.			
Faculty Profe	Faculty Professional Development Events Conducted						
During the curre reporting period approximately .	l 	Total number of events	Number of events held at 2- year institutions	Number of events held at institutions with minority enrollment of 25% or greater	x	x	x
How many facu professional dev events were sup the project?	velopment						

Faculty Involv	ement in	Profession	al Developm	ent Events			
<ul> <li>The following below:</li> <li>How many professiona</li> <li>How many professiona</li> <li>How many professiona</li> <li>How many professiona</li> <li>How many project's fa</li> <li>How many</li> <li>How many</li> </ul>	X	X	X				
implement	what the	y learned?		e learners represent?			

Development Events						
During the current reporting period approximately How many graduate	Total number of graduate students and postdocs	Number of graduate students and postdocs from 2- year institutions	Number of graduate students and postdocs from institutions with minority enrollment of 25% or greater			
students and postdocs were involved in creating the project's faculty professional development events?				x	X	x
How many graduate students and postdocs were involved in leading the project's faculty professional development events?						
How many graduate students and postdocs participated as learners in the project's faculty professional development events?						
Nonacademic Involvemen Events	t in the Projec	t's Faculty Profes	sional Development			
During the current reporting	x	x	x			
During the current reporting period approximatelylearnersHow many representatives from nonacademic organizations (e.g., professional societies, industry, community organizations) participated as learners in your project's faculty professional development events?How many organizations do these learners represent?						
		<u>I</u>				
<ol><li>Submit your report Congratulations! Your re</li></ol>		complete M/e ba	vyo one last			
question: Approximately how mar	x	х	x			
cport:person	nours (round u <u>f</u>	o to a whole hour)				
7. Create New User A						
Note: This data is only collec the PI and a data entry assist technical support; it is not co	ant). The data is	s collected in order t	o provide adequate			

E-mail Address	X	Х	X
Project Role			
o Co- primary Investigator			
o Data Entry Personnel	X	Х	х
o Project Coordinator			
o Other			
Name:			
Honorific			
First	x	x	x
Middle		Λ	л
Last			
Suffix			
Phone	X	Х	Х
Organization	X	Х	Х
Alternate E-mail	X	Х	Х
Alternate Phone	x	Х	Х
Access Privileges (mark all that apply)			
☑ Can View Data			
Can Edit Data			
Can Manage User Access	x	x	x
□ Receives Reminders (automatically set to "yes" if			
Role=Project Coordinator)			
(button): Remove from this report			
Note: The Lead PI's privileges are automatically set to "yes" for all privileges.			