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2020-2021 Removing Barriers in STEM Teacher Education Grant

Project Title: _____

This grant is in the area of: Mathematics Science STEM

Goals (select all that apply): Improve Pass Rates Increase Student Involvement
 Promote Student Interest Increase Content Competency
 Other _____

Data Source (select all that apply): Surveys Pre-Tests/Post-Tests
 Interviews Focus Groups
 Journaling Other _____

Number of Student Participants or Number of Students Directly Impacted: _____

Grade Level(s): _____ Number of Years Teaching _____

Subject Area(s): _____

Number of Teacher Participants: _____

Amount of Funding Requested: _____

School Name & Address: _____

School Phone Number: _____

- Use the numbered questions as headings to organize your proposal and include question numbers as listed.
- Review the rubric to be sure you are providing all the needed information.
- Use as much space as needed to answer the questions, but try to be concise.
- Be sure to submit a complete budget worksheet using the provided form.
- You must be teaching in a high needs school or district this year to be considered for an award.
- You must have been a Noyce Scholar (Noyce Alumni, Noyce Master Teacher) to be considered for an award.
- If awarded, you are expected to attend the 2020 Southeast Noyce Conference to present the activities and outcomes of your project. The Conference Committee will provide assistance in covering your travel arrangements and accommodations.
- If awarded funds will be allocated to the school or the district—not to an individual—for project use.

In no more than three pages (describe your project including the following, numbered sections.

1. Describe what you are proposing and at least two goals you want to accomplish by the end of your proposed project.
2. How will the proposed directly impact student achievement levels?
3. How will this project impact your students’ confidence or dispositions toward math, science, or STEM?
4. How will the equipment/materials/activities you have requested in your grant application address student needs and improve student learning?
5. How many students will be impacted by this project?
6. How will you involve other faculty in your school or district to assist you in meeting the goals of your project?
7. How will you evaluate the impact of your grant project? Include what data you will collect and how it will be collected and analyzed, as well as any assessments that will be used to evaluate grant results.
8. Include a timeline in chart format as follows. Ending dates have been included for you.
9. What are the demographics of your school with regard to what percentage of students are on free and reduced lunch? Rural, Urban or Suburban?

Date	Task Description
June 1, 2021	End of grant report due to Southeast Noyce Advisory Board
Summer, 2021	Participate in Panel Presentation at 2021 Southeast Noyce Conference

10. Complete the attached budget and budget justification form in no more than one page.

Item Source (ex. Carolina Biological)	Description of Item(s) (Indicate Reusable-R or Nonreusable-N)	Equipment	Transportation	Estimated Costs	Justification
TOTAL \$					

11. Attach a letter of support from your principal or designated school administrator. A support letter must be included to be considered for funding.
12. Attach a letter of support from the PI, CoPI, or Project Director of the Noyce grant under which you were funded for your education degree. The support statement should be on university letterhead and the National Science Foundation grant number should be included.

REVIEWER RUBRIC

Project	<u>EXCELLENT</u> We have to fund this project! (4 POINTS)	<u>ABOVE AVERAGE</u> May be missing minor information but is a very worthy project! (3 POINTS)	<u>AVERAGE</u> There is merit in the project idea but needs more planning, explanation, or detail. (2 POINTS)	<u>BELOW AVERAGE</u> Little thought or effort went into planning project and/or application (1 POINT)	<u>INCOMPLETE</u> Missing significant details (0 POINTS)
Application	Application is filled out completely and thoroughly.	Application is complete but not very thorough	Fifty to seventy-five percent of the application is filled	Fifty to seventy-five percent of the application is filled but missing an essential component (budget or project description)	Less than 50% of the application is complete.
Project Alignment (Need)	The project clearly links to the goals selected on the cover sheet. The broad goal of the project clearly explains how the project promotes student engagement and learning.	The project somewhat links to the goals selected on the cover sheet. The broad goal of the project explains how the project promotes student engagement and learning.	The project identifies the goals selected on the cover sheet. The project lacks a clear explanation of how it promotes student engagement and learning.	The project does not include sufficient detail or explanation as it relates to selected goals or broad goals.	Section incomplete.
Project Description & Explanation	The project description demonstrates originality and innovation. Supporting evidence is provided. The proposed equipment, materials, and activities being purchased to address student needs and project goals can be used for more than one year.	The project description demonstrates originality and innovation. Supporting evidence is provided. The proposed equipment, materials, and activities being purchased to address student needs and project goals may not be reusable, but provide a valuable experience.	The project is adequately described but lacks originality or innovation. Supporting evidence is not provided. The proposed equipment, materials, and activities being purchased may not be sufficient to address student needs and project goals.	The project description is not original or innovative. The equipment, materials, and activities are insufficient to address student needs and further the district's goals.	Section incomplete.
Project Objectives	Project objectives enhance student performance and/or engagement in the target area (math, science, STEM). The number of students and teachers impacted both directly and indirectly are specified.	Project objectives enhance student performance and/or engagement in the target area (math, science, STEM). The number of students and teachers impacted both	Project objectives enhance student performance and/or engagement in the target area (math, science, STEM). The number of	Project objectives enhance student performance and/or engagement in the target area (math, science, STEM). The number of students and teachers impacted both directly and	Section incomplete.

	Includes links to state/national standards.	directly and indirectly are specified.	students and teachers impacted both directly and indirectly are not specified. Includes links to state/national standards.	indirectly are not specified.	
Anticipated Outcomes	Outcomes clearly measure project objectives. Numbers of events, projects, purchases, etc. are listed and described, with a clear link to the stated goals.	Outcomes measure project objectives. Numbers of events, projects, purchases, etc. are listed and described, and a clear link to the stated goals is made.	Projects and equipment purchases are listed or described, but how they will meet project goals is unclear.	Project goals are not described so it is unclear what the project goals are.	Section grossly incomplete.
Timeline	Application includes a detailed and realistic timeline of all aspects and deadlines of project, including start/end dates, purchase of materials, relevant participant training sessions, dates of activities, etc.	Application includes a timeline of project deadlines, including start/end dates, purchase of materials, relevant participant training sessions, dates of activities, etc.	Application includes a basic timeline of all major aspects of the project, but some aspects and how they fit into the overall project are not clear.	A timeline is included but lacks specificity.	Section incomplete.
Budget	The budget is itemized with all detailed expenses clearly and individually listed. Items listed directly correlate to the project described in the grant. The grant writer demonstrates an understanding of the cost of the project. The application indicates where the items/services will be purchased and lists the exact cost of each one. Reusable vs. non-reusable items are identified. Additional funds, if needed, to complete the project are planned. Project budget is realistic and cost effective. All supporting estimates and supporting project details are attached to the grant application. All expenses are allowable.	The budget is itemized with all detailed expenses clearly and individually listed. Items listed directly correlate to the project described in the grant. The grant writer demonstrates an understanding of the cost of the project. The application indicates where the items/services will be purchased and lists the cost of each one. Reusable vs. non-reusable items are identified. Additional funds, if needed, to complete the project are planned. Project budget is realistic and cost effective. All expenses are allowable.	The budget is complete, but items or costs may be vague or are rough estimates instead of specific costs. Project budget may not be realistic or cost effective.	Budget includes non-allowable expenses.	Section incomplete.

