



Whitaker Center
for STEM Education

SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS

RESEARCH MINI-GRANT APPLICATION

Date

Last Name

First Name

Faculty

Undergrad

Grad

University Identification Number (UIN)

College

Department or Major

Email

Phone (Include Area Code)

Research Project Title

IDENTIFY PROJECT TYPE

Student Research Project

Dissemination of STEM-education research

Curriculum or Activity Development

STEM-Education Research or Evaluation

Innovative Instructional Methodology

Other (specify)

Is IRB or IACUC approval needed?

Yes

No

Don't Know

If yes, has approval been granted?

Yes

No

What is the amount requested from Whitaker Center? (Not to exceed \$500)

Are you applying for matching funds?

Yes

No

If yes, enter amount of matching funds.

List sources of matching funds.

ELECTRONIC SIGNATURE

Applicant - Enter your name

Applicant - Enter your initials

I verify that by entering my initials I am providing an electronic signature.

If you are a student enter your faculty mentor or sponsor's name

Forward this document to your faculty mentor for approval.

Faculty Mentor - Enter your name

Faculty Mentor - Enter your initials

I verify that by entering my initials I am providing an electronic signature approving this application.

1. Rationale [20 points] – If you are a student Identify how this project addresses STEM.

If you are faculty, graduate student or post-doc Identify how this project addresses teaching and/or learning in STEM Education. (100 words or less)

2. Background Statement [10 points] – Provide a clear and concise statement of the issue and/or problem identifying the need for the project. Demonstrate familiarity with existing research and personal expertise. (100 words or less)

3. Objectives [15 points] – Clearly state appropriate research objectives making sure they are linked to the problem stated in your background statement. (100 words or less)

4. Methods and Design [15 points] – Clearly state research methods making sure they agree with objectives. (100 words or less)

5. Analysis Procedures [10 points] – Identify data collection instruments and analysis techniques relating them to objectives. (100 words or less)

6. Research Budget

	\$
	\$
	\$
	\$
	\$
	\$
TOTAL	\$

7. Budget Narrative [5 points] – Provide a brief description and justification for each expense. (100 words or less) Note: You will need to provide the Whitaker Center original receipts for reimbursement.

8. Deliverables and Timeline [5 points] – Describe the final product and/or outcomes and a timeline for completion of your research. (100 words or less)

9. Contribution to Whitaker Center’s Mission [20 points] – Describe how your project aligns with one or more of the following: innovation, interdisciplinary education, integrated teaching and learning, and inquiry-based activities. (100 words or less)

10. Choose method(s) for reporting research results to Whitaker Center.

YouTube

PowerPoint

Verbal Presentation

Poster

Written Report

Other

Provide any supporting documents as a PDF file. (Optional)