BROADER IMPACT

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DIVERSITY AND INCLUSION

No Diversity

No Inclusion

Diversity and Inclusion
OUTLINE

- Broader Impact Requirements
- Broader Impact Tips
- Campus Resources or Partners
**BROADER IMPACT**

- The potential of the proposed project to benefit society and contribute to the achievement of specific, desired societal outcomes.
BROADER IMPACT CRITERION

- How well does the activity advance discovery and understanding while promoting teaching, training and learning?

- How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)?

- To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks and partnerships?

- Will the results be disseminated broadly to enhance scientific and technological understanding?

- What may be the benefits of the proposed activity to society?
COLLABORATIVE PARTNERSHIPS

- Museums and Libraries
- Curriculum Development
- STEM Education and Outreach
- Video Production or Web
- Radio or TV show
- Higher Ed Institution
- Local Schools
- Professional Societies
STATEMENT OF UNIQUENESS

Previous Broader Impact
That Works

Special Target Audience

Be Creative

Unique Combination

Apply in a New Way
EVALUATION PLAN

Evaluation

- OUTSTANDING
- Excellent
- Very Good
- Average
- Below Average
BUDGET

Research

Broader Impact

Budget
CAMPUS RESOURCES
FIRST YEAR ENGINEERING LAB

- Project-Based Learning
- Active Learning Techniques

Contact: Dr. Charmane Caldwell
caldwell@eng.fsu.edu
850-410-6173
ENGINEERING CONCEPTS INSTITUTE

A six (6) week summer program for FAMU and FSU students that aides in the successful completion of the pre-engineering program.

Contact:
Dr. Charmane Caldwell
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850-410-6173
FAMU STEM LIVING LEARNING COMMUNITY

A program that seeks to facilitate engagement with fellow students and faculty in order to foster a sense of community.

Contact: Dr. Charmane Caldwell
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ENGINEERING LEARNING COMMUNITY

Designed to assist all FAMU engineering students to successfully matriculate and enter the engineering profession.

Contact:  
Dr. Reginald Perry  
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850-410-6465
FSU Student Support System-STEM

One of the eight federally funded TRIO programs designed to improve retention, graduation, financial literacy, and overall academic success rates for students majoring in STEM fields.

FSU SSS-STEM provides academic and engagement activities for qualified students throughout their enrollment at FSU.

Contact:
Dr. Asha Brewer
afieldsbrewer@fsu.edu
850-644-9699
FAMU Program of Excellence in STEM

PE-STEM is a rigorous pre-college bridge program that focuses on research and critical thinking in the sciences.

High school juniors and seniors from area schools to attend a five-week, intensive summer workshop. The summer program will be comprised of courses in the STEM areas, research lab tours and presentations.

Contact:
Mrs. April Black
April.black@famu.edu
850-412-7734
The CPALMS Perspectives initiative provides K-12 standards-aligned short (~5-min.) video resources highlighting experiences and thoughts regarding math and science from experts, teachers, professionals, and skilled enthusiasts.

Contact:
stemvideos.org
FCR-STEM
fcr.stem@lsi.fsu.edu

Electromagnetic Robot Muscles

Dr. Oates uses engineering practices to design artificial muscles that react to electrostatic fields.

Primary Resource Type: Perspectives Video Expert
Subject(s): Science
Grade Level(s): 9, 10, 11, 12
Intended Audience: Educators, Students
Collection: CPALMS Perspectives Videos - General

More Information
All programs are designed to excite and educate students, teachers and the general public about science, technology and the world around them.

- MagLab Summer Camp
- SciGirls Summer Camp
- Middle School Mentorships
- Summer Internships
- Academic Year Internships
- Research Experiences for Teachers
- Teacher Workshops

Contact:
Dr. Roxanne Hughes
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850-645-8179
OTHER BROADER IMPACT IDEAS

- Research Box-Kit
- Meek-Eaton Black Archives
- Bring your son or daughter to work day
- E-Series Courses
- Research Experience for Undergraduates (REU)
- Engineering Projects in Community Service (EPICS)
- Engineer Scholars
Broader Impact Worksheet

Target Audience

Why do you want to work with this audience?

Type of Interaction
- Small Group and Deep Interaction
- Large Group and Short Interaction

Collaborative Partner

Describe the activity and how your research will be integrated.
REFERENCES

- https://www.brown.edu/research/what-are-broader-impacts
- http://vcresearch.berkeley.edu/brdo/addressing-broader-impacts
- http://coseenow.net/wizard/
QUESTIONS?