

CAREER Grant Education and Outreach Activities Plan

PI Name:

Project Title:

Evaluation Budget Amount:

Minimum: \$3k per year or \$15k total

Key Dates to Remember

- May 31: Provide UOEEE the program summary and this completed form in order to receive our evaluation narrative and letter of support.

UOEEE Cooperative Agreement

To ensure a good fit between the evaluation services offered by UOEEE and the CAREER proposals, we require the following commitments that, in our experience, lead to a mutually collaborative relationship in which evaluation can be valuable to a project. Once these are reviewed and agreed to, please complete the rest of the form that outlines your educational project or initiative, and submit it to UOEEE by May 31, 2018.

- I commit to developing an educational project or initiative that includes activities that are intended to change or impact project participants in a meaningful way.
- I commit to allocating resources to evaluation. (Minimum of \$3k/year for evaluation services.)
- I commit to collaborate with UOEEE to develop and implement an evaluation plan. (Evaluation fidelity requires a collaborative relationship between the project and the evaluator.)
- I commit to communicating regularly with UOEEE during project implementation (e.g., monthly check-in).
- I commit to dedicating capacity (e.g., self, student, coordinator, or combination) to coordinate with UOEEE and to collect project data.

Target Group Activities Plan

NSF CAREER grant submissions require you to include education and outreach activities in your proposal that will support and enrich your research efforts. This form provides you with a template for planning your education and outreach activities according to the groups of people that the activities will benefit. The form will also be used by the UOEEE to inform their evaluation plan, which will be provided to you for inclusion in your CAREER Grant submission.

Complete the template by entering the name of a target group that will benefit from your education and outreach activities. Then, follow the instructions to provide the specifics of the activities for this target group. Repeat this for each group that will benefit from your education and outreach activities.

Target Group 1

Specify Target Group: Middle school students (grades 6-8) from underrepresented minorities in STEM

In the table below, please specify each education outreach activity in which this target group will participate. Provide the timeframe for which activity will take place, the approximate number of participants for the activity, and any helpful notes for the activity. Use the buttons on the left to add, delete, or move activities.

Activity	Activity Timeframe	Approximate Number of Participants	Notes
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	Summer workshop series (Starts Year 2)	June and July, Years 2 through 4	375 (75 in year 2 and 150 in years 3 & 4)	I will hire a full-time project coordinator who will be responsible for recruitment of schools and participants to ensure we get an adequate sample size.
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What do you expect members of this target group to gain from their involvement in these activities (e.g. increase awareness, attain new knowledge, improve existing skills, change behaviors, change current attitude)? Please be specific when explaining the results expected.

Would expect to see significant gains from pre to post in the following areas:

Increased knowledge in the following areas:

- geologic history of the Phoenix area
- current geology of the Phoenix area

Increased awareness in the following areas:

- what geologists do
- careers available in geology

Increased STEM self-efficacy

Increased future planning to pursue a STEM career

Target Group 2

Specify Target Group: Middle School Science Teachers

In the table below, please specify each education outreach activity in which this target group will participate. Provide the timeframe for which activity will take place, the approximate number of participants for the activity, and any helpful notes for the activity. Use the buttons on the left to add, delete, or move activities.

	Activity	Activity Timeframe	Approximate Number of Participants	Notes
	Science teacher summer workshop	Summer of Year 3	25	Teachers will be recruited from Phoenix area Title 1 (majority low-income students) public middle schools. Activities will focus on improving science curriculum by developing lessons that focus on teaching Phoenix-area geology through hands-on dynamic activities.

What do you expect members of this target group to gain from their involvement in these activities (e.g. increase awareness, attain new knowledge, improve existing skills, change behaviors, change current attitude)? Please be specific when explaining the results expected.

Would expect to see significant gains from pre to post in the following areas:

Increased knowledge in the following areas:

- geologic history of the Phoenix area
- current geology of the Phoenix area

Increased skills in the following area:

- developing and incorporating dynamic activities and mass media components into geology lesson plans.

Improved curriculum and lesson plans for geology unit.

Improved teaching methodology for geology unit.

Increased knowledge of engaging and teaching students who are under-served in education and under-represented in STEM.

Once you have submitted your form, UOEEE will review it and contact you to discuss your project and evaluation plan. If both you and UOEEE agree that evaluation will be a value-added to your project, we will provide a letter of collaboration and a one-page evaluation narrative to be included in your proposal.