

Seed Grant Application Cover Page

PRINCIPAL INVESTIGATOR:

Name: Karen Harpp

Title: Associate Professor

Department: Geological Sciences

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ADDITIONAL INVESTIGATORS:

Name:

Title:

Department:

Email:

Name:

Title:

Department:

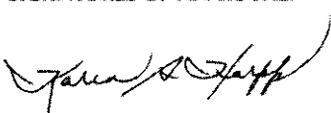
Email:

Amount Requested: \$ 11,942

Proposal Title: A Student-Based Science Outreach Program

This is an internal proposal that DOES NOT need to be routed through OSP

SIGNATURES OF APPROVAL:



Department Head

Dean/Director

Principal Investigator

Department Head

Dean/Director

Principal Investigator

Department Head

Dean/Director

PROPOSAL CHECKLIST:

- Abstract
- Narrative (2 single-spaced pages)
- Budget Page
- Biographical Data
- Publications/Exhibits/Performances (5 years)
- Proposals Submitted/Funded (5 years)
- Summary of Previous Seed Grant(s)
- Applicable animal/human requests for approval are attached

ELIGIBILITY:

- Early faculty establishing scholarly program (5 years or less employment at UI)
- Established faculty transitioning into a new scholarly area

Has seed grant previously been awarded? Yes No

If yes, have report(s) of previous seed grant(s) been submitted? Yes No

For Previous Awardees—has a proposal been submitted to an outside organization? Yes No

If so: Organization Date Submitted: Funded: Yes No

Abstract

Progressively fewer students are pursuing careers in science-related fields, creating a pressing need to foster interest in the sciences from the elementary to the college level. The proposed pilot project is a student-based outreach program intended to dispel the myth that science is inaccessible and, instead, inspire scientific inquiry. There are two components to the program, one locally based, and a second designed to reach a broader, Internet-based audience. First, undergraduates will design modules using hands-on activities illustrating the importance of science in everyday life, which they will bring to local elementary and middle schools. In addition to bringing science out of the lab and into the hands of students in an accessible manner, the presentations will expose undergraduates to the excitement of teaching young, enthusiastic audiences, an experience that may encourage them to pursue careers in education. The second component is intended as follow-up to the presentations by engaging UI undergraduates in designing dynamic, instructional videos that illustrate ideas for further scientific exploration, which will be disseminated via the Web. The outreach project is new scholarship for the PI at UI, and complements Idaho STEM pipeline efforts and UI's designation of STEM education research as a signature area.