

Budget Justification

A. Key Personnel

Per Chapter II.C.2.g(i)(a), of the FY2019 PAPPG (Senior Personnel Salaries & Wages Policy), the Regents of the University of Idaho have determined the definition of salary year to be based on the calendar year.

Philip Stevens, PI for this project, is an Assistant Professor in Anthropology and Director of the American Indian Studies program. He is known for his work in Indigenous STEM, and in particular with Apache Math.

Dr. Stevens will provide overall project leadership and we therefore request funding for one week of summer salary. Salary requested is \$1610.

Vanessa Anthony-Stevens, Co-PI for this project, is an Assistant Professor of Social and Cultural Studies in the Department of Curriculum and Instruction and PI of the Indigenous Knowledge for Effective Education Program (IKEEP) at the University of Idaho. She is noted for her scholarship in educational anthropology and Indigenous education. Her expertise in program design for the preparation of culturally responsive Native teachers, along with experience in project leadership, and applied research of participant experiences will assist in the project goals of understanding community-based definitions of STEM.

Dr. Anthony-Stevens will help to oversee research and we therefore request one week of summer salary. Salary requested is \$1707.

Karla Eitel, Co-PI for this project, is a Research Associate Professor of Place-based Education in the Department of Natural Resources and Society, and Director of Programs for the McCall Field Campus. She has been funded for several NSF education initiatives supporting underrepresented groups to increase participation in field-based outdoor STEM experiences, and is noted for her work in program design to support culturally-connected STEM identities through field and place-based programs. Her expertise in project leadership, program design and applied research of participant experiences will assist in the project goal of understanding community definitions of STEM.

Dr. Eitel will help to oversee research and we therefore request one week of academic year salary. Salary requested is \$2230.

B. Other Personnel

MS Student. Funds are requested for one graduate student to assist with data collection and project implementation. A stipend of \$23,854 is requested for the year. This represents an effort of 20 hours per week during the Academic Year and 40 hours per week during Summer for assisting with the research goals of the project. Total funds requested in Year 1 = \$23,854.

C. Fringe Benefits

Dr. Stevens, a fully appointed faculty member, receives a 30.9% benefit rate through the year. We request the amount of \$494.

Dr. Anthony-Stevens, a fully appointed faculty member, receives a 30.9% benefit rate through the year. We request the amount of \$524.

Dr. Eitel, a fully appointed faculty member, receives a 30.9% benefit rate through the year. We request the amount of \$684.

Fringe rates for graduate students are calculated at 2.1%. We request the amount of \$501.

D. Equipment

No equipment will be requested as part of this proposal.

E. Travel

1. Annual meetings. Funds are requested for 4 project personnel to travel to an annual meeting. Airfare is estimated at \$500 per person ($4 \times \$500 = \2000); hotels are estimated to cost \$150 per night per person for 2 nights per year ($4 \times 2 \times \$150 = \1200). Per diem is calculated at the out of state rate for Washington DC at \$57 per person per day ($4 \times 2 \times \$57 = \456).
2. Travel for Research Support PI/Co-PI team and MS student will travel to conduct research with partner communities for a total of approximately 8 days annually. Eight nights of lodging at \$96 for four people ($4 \times 8 \times \$96 = \3072) is requested. Per diem @ \$49 per day for 4 people for 8 days ($4 \times 8 \times \$49 = \1568) is requested. Mileage is requested for 1600 miles reimbursed at a rate of \$.58 per mile.

F. Participant Support Costs

G. Other Direct Costs

1. Supplies Funds are requested for supplies for digital research supplies. Supplies for research and documentation include 15 cameras per site @ \$300 per camera ($15 \times \$300 = \4500); 15 H5 voice recorders @ \$300 per recorder ($15 \times \$300 = \4500). Total funds requested are \$9000 for supplies.
2. Consultant Fees. Funds are requested for web development services. A total of \$6000 is requested for an external organization to manage a website to house digital research artifacts.
3. Consultant Fees. Funds are requested for Tribal members who will assist in the research objectives of the grant. Funds are requested at \$1000 each for a total of 15 participants ($15 \times \$1000 = \$15,000$).
4. *Other:*

Tuition, fees and health care expenses are requested for one masters students who will assist with research on the project. Tuition and fees are calculated at \$4938 per semester ($2 \times \$4938 = \9876) plus health insurance @ \$951 per semester ($2 \times \$951 = \1902).

H. Indirect Costs

A modified total direct cost basis (all direct costs minus tuition and fees and participant support costs) was used to calculate a base of \$55,830. The base was multiplied by the Federally negotiated off-campus research rate of 26% to obtain the Indirect Cost of \$14,516. Total requested funds are \$97,123.