

Collaborative Research: Synchronous Online Video-Based Development for Rural Mathematics Coaches

Budget Justification University of Idaho

A. Salaries, Senior Personnel

Principal Investigator Dr. Julie Amador requests funds for two summer months for providing oversight of research activities, disseminating research results to the scientific community and general populace by means of publications and presentations, mentoring the graduate student, and project reporting.

Specifically, Dr. Amador will:

- Coordinate all research activities and oversee productivity versus timeline;
- Meet with and support graduate student on research team;
- Establish and maintain relationships with advisory board members;
- Ensure continual data analysis to fulfill design research methodology;
- Disseminate research through national and international presentations and publications in journals.

Year 1, \$16,768, is based on her current academic year salary of \$75,457. A 3% increase is applied in year 2, year 3, and year 4.

Ryan Gillespie, as the Lead for Professional Development activities in Idaho, requests funds for 50%FTE for 12 months, totaling 6 months CY salary at a FTE equivalent. Year 1 is \$30,649. A 3% increase is applied in year 2, year 3, and year 4.

Project Director requests funds for 50%FTE for 12 months, totaling 6 months CY salary at a FTE equivalent. Year 1 is \$27,318. A 3% increase is applied in year 2, year 3, and year 4.

Per Chapter II.C.2.g(i)(a), of the FY 2018 PAPP (Senior Personnel Salaries & Wages Policy), the Regents of the University of Idaho have determined the definition of salary year to be based on a calendar year.

B. Other Personnel Salary

B.3. Graduate Student

Two graduate research assistant in the College of Education, Health, and Human Sciences will be supported through this grant. Responsibilities include conducting research activities, collecting and analyzing data, organizing and maintaining research database, writing manuscripts, and giving presentations about research findings.

The year 1 salary is based on the typical graduate research salary at the University of Idaho for 20 hours per week @ \$21.87/hour, \$14,000. A 3% increase is applied in year 2, year 3, and year 4.

Total Salary (\$102,735, \$105,817, \$108,992, \$112,261); Total: \$429,805

C. Fringe Benefits

The University of Idaho's federally-negotiated consolidated fringe benefit rate currently is 30.9% for faculty, 40.5% for staff, and 3.4% for students. This rate was used for all four years, but the negotiated rate in effect for each particular year will be expensed.

Total Fringe (\$29,610, \$30,498, \$31,413, \$32,356); Total: \$123,877

E. Travel

E.1 Domestic Travel

Funds are requested for travel to conferences, such as AMTE, PMENA-NA, AERA, by the PI, Project Director and/or research assistants to disseminate findings. Estimated costs per person include \$650 for airfare, \$700 for hotel (4 days @ \$175), \$260 for per diem (5 days @ \$52 GSA rate), \$500 for registration fees, and \$223 for miscellaneous such as ground transportation, parking, luggage. Total per trip is \$2,333 per person, at one trip annually for three people, totaling \$7000. This same amount is estimated for all four years.

Travel includes the cost of attendance at the bi-annual NSF grantees' meetings in the Washington, DC area. Estimated costs include \$600 for airfare, \$600 for hotel (3 days @ \$200), \$304 for per diem (4 days @ \$76 GSA rate), and \$200 for miscellaneous such as ground transportation, parking, luggage. Total per trip is \$1,704. One trip annually for 2 years.

Funds are requested for travel to remote domestic sites and/or to New York for data collection and or participant correspondence (such as technology support). Estimate is based on \$1000 annually for mileage (\$0.58/mile for 1818 miles), and two trips at an estimate of \$2000 each (\$640 for airfare, \$700 for hotel, \$260 for per diem, \$400 miscellaneous such as ground transportation, parking, luggage). Total is \$5000 each year for Year 1, Year 2, Year 3, and Year 4.

E.2 International Travel

Travel funds for the PI and/or Project Director to attend an international conference (e.g., PME, ICME, CSCL, ICME) are requested. We have presented research from prior related projects at CSCL (Computer Supported Collaborative Learning) and PME (Psychology of Mathematics Education) internationally and have found researchers at those conferences have provided critical insights about online professional development. The international venue has Estimated costs include \$1,000 for airfare, \$1,050 for hotel (6 days @ \$ 175, \$1050), \$700 for per diem (7 days @ \$100 US Department of State rate), and \$250 for miscellaneous such as ground transportation, parking, luggage. Total per trip is \$3000. Estimated one person to travel each year.

Total Travel (\$16,704, \$15,000, \$16,704, \$15,000); Total: \$63,408

F. Participant Support

Participant Stipend

Funds are requested to provide each of the coach participants with \$500 stipend in Year 1 and Year 2 of the project. Cohort 1 (Year 1 \$500*12) and (Year 2 \$500*12), \$12000;

Cohort 2 (Year 2 \$500*12) and (Year 3 \$500*12), \$12,000; Cohort 3 (Year 3 \$500*12) and (Year 4 \$500*12), \$12,000.

Funds are requested for a \$500 professional development stipend per coach for their school districts while they are participating in the first year of the project. 12 coaches will participate in each of the years, Year 1 (\$500*12), Year 2 (\$500*12), Year 3 (\$500*12).

Total Participant Support (\$12,000, \$18,000, \$18,000, \$6000); Total: \$54,000

G1. Materials and Supplies

Data Analysis Software

Funds are requested for the purchase of data analysis software, NVivo for two computers in Year 1 for a total of \$2693.

Materials for Conference

Funds, \$50,000 are requested to hold a conference in Year 4 in Coeur d'Alene to convene key decision-makers for a two-day working meeting with project staff and content experts as a dissemination tool. Estimated costs per person, for 25 people, includes \$600 for airfare, \$700 for hotel (4 days @ \$175), \$400 for subsistence, and \$300 for miscellaneous such as ground transportation, parking, luggage. Total per person is \$2000. Total for conference \$50,000.

Print Resources, Data Sharing

Funds, \$2,000, for each year are requested for video sharing and storage, such as Box.com, and Google Drive for project coordination. Funds may also be needed for print resources, such as books related to coaching or video clubs for project personnel.

iPads for Coach Participants

iPads to record coaching interactions and interact with coach. Estimate at \$400 each for 12 Coach Participants in Year 1, Year 2, and Year 3. Total of \$4,800 Year 1, Year 2, and year 3.

Swivl Accounts for Coach Participants

Swivl accounts for coaching video recording and annotation process. Estimate at \$80 for each account for 12 Coach Participants, total of \$960 in Year 1, Year 2, and Year 3.

Total Materials and Supplies (\$10,453, \$7,760, \$7,760, \$52,000); Total: \$77,973

G. Consultant Services

Transcription

Funds are requested 625 hours per year at \$16/hour to transcribe video and audio data across all project sites, with half of that needed in Year 4 (\$10,000; 10,000; 10,000; 10,000).

Advisory Panel Stipend

Four national advisory board members (identified with expertise described in the proposal narrative) will serve in an evaluative role and will receive a stipend of \$1,000 per day for five days each year for their expertise and participation in the project. National advisors will be contacted on an individual basis to offer feedback and advice in

the area of their expertise (e.g., reading research manuscripts, advising on instrument development, advising on dissemination efforts). Three times during the project these advisors will be brought together to collaborate on a range of aspects of the project (\$20,000; \$20,000; \$20,000; \$20,000).

Total Consultant Services (\$30,000, \$30,000, \$30,000, \$30,000); Total: \$120,000

G. Tuition and Fees

Funds are requested to cover tuition, fees, and health insurance for the graduate research assistants appointed to this grant. Currently for one graduate assistant, this is \$9,876 per academic year for tuition/registration fees, \$549 for one credit of summer research, and \$1,902 for one year of health insurance. Year 1 is \$12,327 per graduate research assistant, and the amount is increased by 7% for Year 2, Year 3, and Year 4.

Total Tuition and Fees (\$25,654, \$26,380, \$28,226, \$30,202); Total: \$109,462

G6. Other Direct Costs

Funds are requested for one joint meeting for project personnel. Travel funds will be used for Idaho and/or New York personnel. Estimate of \$600 for airfare, \$1000 for hotel (5 days @ \$200), \$375 for per diem (5 days @ \$75), and \$300 for miscellaneous such as ground transportation, parking, luggage. Total travel per trip is \$2,275. Ten total travelers requested. Plus meeting room space at \$5000. Total requested is \$27,750.

Travel includes estimated costs for 4 advisory board members to travel to Idaho in Year 1, Year 2, Year 3, and Year 4, at an estimated cost of \$1800 per trip. Total is \$7,200 for each of the four years of travel.

Total Other Direct Costs (\$7,200, \$7,200, \$34,950, \$7,200); Total: \$56,550

H. Direct Costs

Total Direct Costs: (\$233,356, \$240,655, \$276,045, \$285,019); \$1,035,075

I. Indirect Costs

The University of Idaho's facilities and administrative rate for on-campus research is 47.5% on modified total direct costs, per the DHHS agreement dated 6/26/19. MTDC in this budget excludes subawards exceeding \$25,000 and student tuition/fees.

Total Indirect Costs (\$93,433, \$93,231, \$109,164, \$118,188); Total: \$414,016

J. Total Direct and Indirect Costs

The total request for Year 1 is \$326,789, Year 2 is \$333,886, Year 3 is \$385,209, and Year 4 is \$403,207, for a total of \$1,449,092.