

SUMMARY PROPOSAL BUDGET

YEAR 1

ORGANIZATION University of Idaho				FOR NSF USE ONLY			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				PROPOSAL NO.	DURATION (months)		
					Proposed	Granted	
				AWARD NO.			
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.				0.00	0.60	0.50	6,675
2.				2.00	0.00	0.00	6,462
3.							
4.							
5.							
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0
7. (2) TOTAL SENIOR PERSONNEL (1 - 6)				2.00	0.60	0.50	13,137
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. (0) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	0
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	0
3. (2) GRADUATE STUDENTS							20,000
4. (0) UNDERGRADUATE STUDENTS							0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. (0) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							33,137
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							5,528
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							38,665
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
equipment item 1				\$		0	
TOTAL EQUIPMENT							0
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							5,000
2. FOREIGN							8,100
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ 0							
2. TRAVEL 0							
3. SUBSISTENCE 0							
4. OTHER 0							
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							5,700
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0
3. CONSULTANT SERVICES							15,000
4. COMPUTER SERVICES							0
5. SUBAWARDS							0
6. OTHER							0
TOTAL OTHER DIRECT COSTS							20,700
H. TOTAL DIRECT COSTS (A THROUGH G)							72,465
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
FirstIndirectCostItem (Rate: 26.0000, Base: 72465)							
TOTAL INDIRECT COSTS (F&A)							18,841
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							91,306
K. RESIDUAL FUNDS							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							91,306
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$			
PI/PI NAME Brant G Miller				FOR NSF USE ONLY			
ORG. REP. NAME* Steven Kirkham				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

1 *ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

SUMMARY PROPOSAL BUDGET

YEAR 2

ORGANIZATION University of Idaho				FOR NSF USE ONLY				
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				PROPOSAL NO.		DURATION (months)		
						Proposed	Granted	
				AWARD NO.				
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months			Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR		
1. _____				0.00	0.60	0.50	6,770	
2. _____				2.00	0.00	0.00	6,656	
3. _____								
4. _____								
5. _____								
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0	
7. (2) TOTAL SENIOR PERSONNEL (1 - 6)				2.00	0.60	0.50	13,426	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1. (0) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	0	
3. (2) GRADUATE STUDENTS							20,000	
4. (0) UNDERGRADUATE STUDENTS							0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0	
6. (0) OTHER							0	
TOTAL SALARIES AND WAGES (A + B)							33,426	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							5,639	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							39,065	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
equipment item 1 \$ 0								
TOTAL EQUIPMENT							0	
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							5,000	
2. FOREIGN							0	
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ 0								
2. TRAVEL 0								
3. SUBSISTENCE 0								
4. OTHER 0								
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS							0	
G. OTHER DIRECT COSTS								
1. MATERIALS AND SUPPLIES							3,700	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0	
3. CONSULTANT SERVICES							7,500	
4. COMPUTER SERVICES							0	
5. SUBAWARDS							0	
6. OTHER							0	
TOTAL OTHER DIRECT COSTS							11,200	
H. TOTAL DIRECT COSTS (A THROUGH G)							55,265	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
FirstIndirectCostItem (Rate: 26.0000, Base: 55265)								
TOTAL INDIRECT COSTS (F&A)							14,369	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							69,634	
K. RESIDUAL FUNDS							0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							69,634	
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$				
PI/PI NAME Brant G Miller				FOR NSF USE ONLY				
ORG. REP. NAME* Steven Kirkham				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date Of Rate Sheet	Initials - ORG		

2 *ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

SUMMARY PROPOSAL BUDGET

YEAR 3

ORGANIZATION University of Idaho				FOR NSF USE ONLY			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				PROPOSAL NO.		DURATION (months)	
						Proposed	Granted
				AWARD NO.			
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.				0.00	0.60	0.50	6,868
2.				2.00	0.00	0.00	6,856
3.							
4.							
5.							
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0
7. (2) TOTAL SENIOR PERSONNEL (1 - 6)				2.00	0.60	0.50	13,724
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. (0) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	0
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	0
3. (0) GRADUATE STUDENTS							0
4. (0) UNDERGRADUATE STUDENTS							0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. (0) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							13,724
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							5,152
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							18,876
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
equipment item 1				\$		0	
TOTAL EQUIPMENT							0
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							5,000
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ 0							
2. TRAVEL 0							
3. SUBSISTENCE 0							
4. OTHER 0							
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							3,700
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0
3. CONSULTANT SERVICES							7,500
4. COMPUTER SERVICES							0
5. SUBAWARDS							0
6. OTHER							0
TOTAL OTHER DIRECT COSTS							11,200
H. TOTAL DIRECT COSTS (A THROUGH G)							35,076
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
FirstIndirectCostItem (Rate: 26.0000, Base: 35076)							
TOTAL INDIRECT COSTS (F&A)							9,120
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							44,196
K. RESIDUAL FUNDS							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							44,196
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$			
PI/PI NAME Brant G Miller				FOR NSF USE ONLY			
ORG. REP. NAME* Steven Kirkham				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET

Cumulative

ORGANIZATION University of Idaho				FOR NSF USE ONLY			
				PROPOSAL NO.		DURATION (months)	
						Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				AWARD NO.			
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-months		Funds Requested By proposer	
				CAL	ACAD	SUMR	Funds granted by NSF (if different)
1.				0.00	1.80	1.50	20,313
2.				6.00	0.00	0.00	19,974
3.							
4.							
5.							
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0
7. (2) TOTAL SENIOR PERSONNEL (1 - 6)				6.00	1.80	1.50	40,287
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. (0) POST DOCTORAL SCHOLARS				0.00	0.00	0.00	0
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	0
3. (4) GRADUATE STUDENTS							40,000
4. (0) UNDERGRADUATE STUDENTS							0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. (0) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							80,287
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							16,319
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							96,606
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
\$ 0							
TOTAL EQUIPMENT							0
E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSSESSIONS)							15,000
2. FOREIGN							8,100
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ 0							
2. TRAVEL 0							
3. SUBSISTENCE 0							
4. OTHER 0							
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							13,100
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0
3. CONSULTANT SERVICES							30,000
4. COMPUTER SERVICES							0
5. SUBAWARDS							0
6. OTHER							0
TOTAL OTHER DIRECT COSTS							43,100
H. TOTAL DIRECT COSTS (A THROUGH G)							162,806
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
TOTAL INDIRECT COSTS (F&A)							42,330
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							205,136
K. RESIDUAL FUNDS							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							205,136
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$			
PI/PI NAME Brant G Miller				FOR NSF USE ONLY			
ORG. REP. NAME* Steven Kirkham				INDIRECT COST RATE VERIFICATION			
				Date Checked	Date Of Rate Sheet	Initials - ORG	

C *ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

Budget Justification

A. Senior Personnel

A.1. PI (base salary \$57,137.60) will devote 0.5 summer month per year (\$3,175 x3) and one course buy out per year (\$3,500.00 x3) to the project to perform administrative, research, and project directing tasks. A 3% increase has been calculated for year 2 and 3 to account for inflation. Brant G. Miller is an expert in science education, Adventure Learning, and learning technologies. Requested salary (\$20,313).

A.2. Co-PI (base salary \$38,771) will devote 2.0 calendar months to the project on curriculum design and development, science research coordination, project administration, data collection and analysis, and dissemination efforts. A 3% increase has been calculated for year 2 and 3 to account for inflation. Requested salary (\$19,974).

B. Other Personnel

B.3. Graduate Students. Two graduate students will be hired to support project management and research, including data collection and analysis, curriculum development and instruction. The graduate students will be affiliated with the McCall Outdoor Science School (MOSS) and will be designated as JSEP Scholars (\$20,000 per year for two years). [\$40,000]

C. Fringe Benefits

PI benefits are calculated at 23% summer rate and 35% academic year rate. Co-PI benefits are calculated at 46% calendar year rate per year (x3). Fringe for graduate students is calculated at 3%. Total request (\$16,319).

E. Travel

E.1. Domestic Travel. Two senior personnel and two JSEP Scholars will be required to travel from Idaho to Greenland to complete the field component of the program (\$4,000 per year)(* JSEP Scholars travel to Kangerlussuaq only). The program budget will only support travel to and from Albany, New York. It is our understanding that travel between Albany and Greenland and all travel within Greenland is supported by the NSF through the New York Air National Guard (ANG). The \$4000 per year includes: Airfare (\$2000), hotel for two rooms, two nights (\$1200), ground transportation (\$200), and per diem for two days for four people (\$600). Funding is also requested for dissemination of project results and conclusions (\$1,000 per year). [\$15,000]

E.2. International Travel. Funds are requested for two senior personnel to travel to Denmark to foster collaborations for the field campaign in Greenland. Two senior personnel will meet with key gymnasium personnel as well as University faculty to increase the impact the JSEP program has on Danish gymnasium age students. The funding request will go towards: Airfare (\$2,000 x2), hotel for five nights (\$1,500), ground transportation (\$1,000), and per diem for five days for two people (\$800 x2). [\$8,100]

G. Other Direct Costs

G.1. Materials and Supplies

Education - Student groups at two locations will be provided with a kit including basic learning materials and a low cost instrumentation suite that is complementary to science research instrumentation of AL@GL partners. Each kit is intended to service 30 students. One kit will be required for each participating site (i.e. Greenland and the McCall Outdoor Science School). The table below is an example of a suite of learning tools that will be purchased to give students authentic scientific experiences that represent the science of an Arctic research project, in this case ICECAPS.

Documentation and Communication - Additional documentation and communication equipment will be purchased to enhance the quality of media products. Audio/Visual support will include lens for DSLR for high-end photo and video documentation (\$500). Custom Rite in the Rain lab notebooks will be purchased for students at each site (\$500). [\$1,000]

Extreme Cold Weather gear – Funding is requested to shore up ECWG. Additional items include Sorel boots (\$150 x2) and assorted hats, gloves and base layers (\$350 x2). [\$1,000]

G.3. Consultant Services

Web Development - Communication between educators, participants within the program, program sites, parents, and the outside world will be conducted through a web-based environment. Quantitative metrics of web use will also be important in the evaluation of the program. Funding is requested for a web developer to ensure that the online environment incorporates Adventure Learning framework principles for maximum collaboration and interaction with the seamless ability to incorporate synchronous activities. Contract salary and server space and maintenance is requested at \$10,000 for year one and \$2,500 for year two and three. [\$15,000]

External Evaluation - an external evaluator will be hired to develop and implement an evaluation plan (\$5,000 per year). Tasks will include evaluation plan development and consulting with senior personnel. As a result of the designed evaluation plan the external evaluator will solicit and collect predetermined documents and data for the purpose of preparing reports to the NSF as well as formative evaluations that will enhance the project as it is being conducted. [\$15,000]