

P. Budget

*Total Project Budget
Title II, Part B Mathematics Science Partnerships*

Program Title: Workshops for Modeling Instruction in Physics, Physical Science and Chemistry

Name of Fiscal Agent LEA: Watauga County School District

Names of Partners: Buncombe, Caldwell, Durham, and Martin County school districts, The Science House at NC State University, and the New Schools Project.

Total Request for Project Categories	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)	\$112,000	\$191,260	\$202,892	\$506,152
2. Employee Benefits	\$24,940	\$42,460	\$42,020	\$109,420
3. Substitute Pay	\$9,000	\$15,750	\$15,750	\$40,500
4. Teacher Stipends	\$153,280	\$306,850	\$305,700	\$765,830
5. Contracted Services	\$15,000	\$26,250	\$26,250	\$67,500
6. Workshop Expenses	\$25,599	\$21,261	\$22,810	\$69,670
7. Office Supplies & Materials	\$1,550	\$4,170	\$4,170	\$9,890
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)	\$41,250	\$78,880	\$85,500	\$205,630
12. Indirect Cost	\$19,046	\$31,601	\$44,011	\$94,658
Total Requested	\$401,665	\$718,482	\$749,103	\$1,869,250

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: Watauga County school district (Lead LEA)

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)	\$70,000	\$72,800	\$75,712	\$218,512
2. Employee Benefits	\$17,500	\$18,200	\$18,928	\$54,628
3. Substitute Pay				
4. Teacher Stipends				
5. Contracted Services	\$15,000	\$26,250	\$26,250	\$67,500
6. Workshop Expenses				
7. Office Supplies & Materials	\$1,000	\$1,000	\$1,000	\$3,000
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)	\$31,250	\$29,500	\$27,000	\$87,750
12. Indirect Cost (3%)	\$11,478	\$4,432	\$4,467	\$20,377
Total Funding to Partner from Grant	\$146,228	\$152,182	\$153,357	451,767

Budget Narrative for Partner Funding Request: Watauga will be responsible for the salary and benefits of the project coach. In addition they will direct funds for her office supplies, travel, and subsistence. Watauga will also be responsible for the service contract of the external evaluator. Please see the general budget narrative in section Q for a detailed breakdown of these items.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: The Science House at NC State University

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)	\$42,000	\$62,460	\$68,940	\$173,400
2. Employee Benefits	\$7,440	\$13,480	\$11,880	\$32,800
3. Substitute Pay	\$9,000	\$15,750	\$15,750	\$40,500
4. Teacher Stipends	\$153,280	\$306,850	\$305,700	\$765,830
5. Contracted Services				
6. Workshop Expenses	\$25,599	\$21,261	\$22,810	\$69,670
7. Office Supplies & Materials	\$550	\$550	\$550	\$1,650
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)	\$10,000	\$33,780	\$31,500	\$75,280
12. Indirect Cost (8%)	\$7,568	\$24,619	\$36,571	\$68,758
Total Funding to Partner from Grant	\$255,437	\$478,750	\$493,701	\$1,227,888

Budget Narrative for Partner Funding Request: The project director, Scott Ragan of The Science House, will have detailed knowledge of the day-to-day running of the workshop. Funds for his salary and the instructors' salary, workshop expenses, travel and subsistence for instructors, teacher stipends and subsistence, and substitute pay for the districts will be directed from the Lead LEA to The Science House. Please see the general budget narrative in section Q for a detailed breakdown of these items.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: North Carolina New Schools Project

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)		\$56,000	\$58,240	\$114,240
2. Employee Benefits		\$10,780	\$11,212	\$21,992
3. Substitute Pay				
4. Teacher Stipends				
5. Contracted Services				
6. Workshop Expenses				
7. Office Supplies & Materials		\$2,620	\$2,620	\$5,240
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)		\$15,600	\$27,000	\$42,600
12. Indirect Cost (3%)		\$2,550	\$2,973	\$5,523
Total Funding to Partner from Grant		\$87,550	\$102,045	\$189,595

Budget Narrative for Partner Funding Request: Funds for the North Carolina New Schools Project will be paid directly from the fiscal agent and lead LEA, Watauga County.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: Buncombe County school district

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)				
2. Employee Benefits				
3. Substitute Pay	\$0	\$0	\$0	\$0
4. Teacher Stipends	\$0	\$0	\$0	\$0
5. Contracted Services				
6. Workshop Expenses				
7. Office Supplies & Materials				
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)				
12. Indirect Cost	\$0	\$0	\$0	\$0
Total Funding to Partner from Grant	\$0	\$0	\$0	\$0

Budget Narrative for Partner Funding Request: In the initial budget the four additional partner districts were to receive \$1,133 for substitute pay and administrator stipends. It was decided that rather than transfer such small amounts to the districts that The Science House would handle these payments.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: Caldwell County school district

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)				
2. Employee Benefits				
3. Substitute Pay	\$0	\$0	\$0	\$0
4. Teacher Stipends	\$0	\$0	\$0	\$0
5. Contracted Services				
6. Workshop Expenses				
7. Office Supplies & Materials				
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)				
12. Indirect Cost	\$0	\$0	\$0	\$0
Total Funding to Partner from Grant	\$0	\$0	\$0	\$0

Budget Narrative for Partner Funding Request: In the initial budget the four additional partner districts were to receive \$1,133 for substitute pay and administrator stipends. It was decided that rather than transfer such small amounts to the districts that The Science House would handle these payments.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: Durham County school district

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)				
2. Employee Benefits				
3. Substitute Pay	\$0	\$0	\$0	\$0
4. Teacher Stipends	\$0	\$0	\$0	\$0
5. Contracted Services				
6. Workshop Expenses				
7. Office Supplies & Materials				
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)				
12. Indirect Cost	\$0	\$0	\$0	\$0
Total Funding to Partner from Grant	\$0	\$0	\$0	\$0

Budget Narrative for Partner Funding Request: In the initial budget the four additional partner districts were to receive \$1,133 for substitute pay and administrator stipends. It was decided that rather than transfer such small amounts to the districts that The Science House would handle these payments.

Partner Funding Request
Title II, Part B Mathematics Science Partnerships

Name of Partner Organization: Martin County school district

Cost Requested for Partner	Year 1	Year 2	Year 3	TOTAL
1. Salaries & Wages (Professional and Clerical)				
2. Employee Benefits				
3. Substitute Pay	\$0	\$0	\$0	\$0
4. Teacher Stipends	\$0	\$0	\$0	\$0
5. Contracted Services				
6. Workshop Expenses				
7. Office Supplies & Materials				
8. Tuition Fees				
9. Equipment (Purchase)				
10. Other (Equipment rental, printing, etc.)				
11. Other (please describe)				
12. Indirect Cost	\$0	\$0	\$0	\$0
Total Funding to Partner from Grant	\$0	\$0	\$0	\$0

Budget Narrative for Partner Funding Request: In the initial budget the four additional partner districts were to receive \$1,133 for substitute pay and administrator stipends. It was decided that rather than transfer such small amounts to the districts that The Science House would handle these payments.

Q. Budget Narrative

Salaries and Wages:

- *Watauga Coach:* Full time salary for coach, \$70,000 first year with a 4% raise each year.
- *New Schools Coach:* Full time salary for coach, \$56,000 second year with a 4% raise third year.
- *Project Director:* 75% FTE for Scott Ragan, \$36,000 second year with a 4% raise third year.
- *Instructors:* \$31,500 - seven instructors paid at \$225 per day for 20 days

Watauga will directly pay the Watauga coach. Salary for the second coach will be directed to the New Schools Project and salary for the Project Director and Instructors will be directed to The Science House.

Employee Benefits:

- *Watauga Coach:* Employee benefits for coach assumed at 25% of salary - \$17,500 first year with a 4% raise each year.
- *New Schools Coach:* Employee benefits for coach calculated at \$10,780 for year two with a 4% raise third year.
- *Projector Director:* Employee benefits for project director assumed at 25% of salary - \$9,000 second year with a 4% raise in the third year.
- *Instructors:* \$2,520 – Employee benefits for instructors assumed at 8% of salary.

Watauga will directly pay employee benefits for the Watauga coach. Benefits for the second coach will be directed to the New Schools Project and benefits for the Project Director and Instructors will be directed to The Science House.

Substitute Pay:

- *School-year Follow-up*: \$15,750/year: 3 Friday follow-ups times 70 participants times \$75/day.

Watauga will forward the substitute pay to The Science House, which will direct the payment to the appropriate school districts.

Teacher Stipends:

- *School Administrator Visits*: \$4,000/year, 40 administrators X \$100.
- *Summer Workshops*: \$147,000/year - \$150/day X 14 days X 70 participants.
- *School-year Follow-up*: \$31,500/year - \$150/day X 3 days X 70 participants.
- *Participant Subsistence*: \$123,200 - \$88/day X 20 days X 70 participants

Each follow-up session is two days, but the school district continues to pay teacher salaries for the Friday while the grant picks up the sub pay up to \$75/day. Watauga will forward funds for the stipends to The Science House, which will pay the administrator and participant stipends.

Contracted Services:

- *Evaluator*: Mike Howard, \$26,250 for years two and three based on 70 participants.

Workshop Expenses:

- *Class Materials*: \$10,010/year - All teachers receive an appropriate modeling textbook (\$80), lab book (\$10), Modeling manual (\$23), binder/inserts (\$10), photocopies (\$10) and CD-ROMs (\$10). This totals \$143 per participant per year.
- *Instructor Training and Travel*: \$4,000/year to send instructors to other modeling workshops and conferences nationwide and to pay experienced modeling instructors from other states to consult with our instructors. This helps us expand our offerings and train North Carolina instructors.

- *Visiting Education Experts:* \$1,800/year - Two nationally recognized experts will be invited to come and give a brief presentation during the workshop and help oversee activities for the day. Funds include honorarium (\$200 per visit), travel, and room and board (\$700 per visit). Visitors will most likely come from out of state.
- *Lab Materials for Courses and Coaches:* \$5,000 for year three to supplement existing modeling equipment purchased in years one and two. The lab materials will be available on loan to the participants during the school year as part of the coaching program.
- *Expendable Lab Materials:* \$2,000 during the second and third years when we will offer a third workshop. Expendable materials include: batteries, chemicals and whiteboard markers.
- *General Lab Equipment:* Computers, stop watches, meter sticks, balances, springs, corks, string, force tables, mass sets and other general lab equipment are available from Science House, on loan from high school science labs or from workshop locations at no cost to the program.

General Lab Equipment and Expendable Lab Materials cover most expenses for chemistry, physical science and physics workshops. Watauga will forward funds for workshop expenses to The Science House which will make the actual purchases for materials used in the institutes.

Office Supplies and Materials:

- *For Watauga coach:* \$1,000/year
- *For New Schools coach:* \$2,260/year
- *For Scantron sheets and electronic grading:* \$550/year for The Science House.

Other:

- *Travel and Subsistence for Watauga coach:* \$27,000/year - The coach, Patty Blanton, lives in Boone and will be traveling extensively across the state supporting approximately 35 modeling teachers. In addition to her participation in the summer workshops she will be making frequent visits to the schools of workshop participants and participate in local and national conferences and meetings related to this Modeling MSP.
- *Travel and Subsistence for New Schools coach:* \$27,000/year – The coach, Angela Gard, lives in Manteo, NC, and will be traveling extensively across the state supporting approximately 35 modeling teachers. In addition to her participation in the summer workshops she will be making frequent visits to the schools of workshop participants and participate in local and national conferences and meetings related to this Modeling MSP.
- *Travel for instructors:* \$7,000/year – Assuming mileage or roundtrip airfare for four trips per instructor per year. An effort will be made to find qualified instructors within commuting distance of the workshop sites. This total is based \$250 per instructor and is based on seven instructors making four trips (summer course plus three follow up workshops).
- *Subsistence for instructors:* \$14,000/year – Seven instructors reimbursed at the state rate of \$100/day for 20 days of workshops.
- *Experimental Evaluation Plan:* \$10,500/year – Equivalent to a stipend of \$150 per participant (70 total) in order to recruit a control group of teachers and their students take the same concept inventories as the modeling participants.

Indirect Cost:

- The indirect cost rate for Science House is 8%. The indirect cost rate for Watauga and the New Schools Project is 3%.