

## Budget Justification – Project \_\_\_\_\_

**A. Senior Personnel: Dr. A, Lead PI:** One course release per academic year to oversee all project activities, including supervision of the teacher and student mentors and the mentor coordinators; serving as a point of contact for student and teacher mentors; developing curriculum/activities for school-year and summer camp activities; developing the evaluation tools and implementation plan for the project evaluation (with the external evaluator and other team members). In addition, Dr. A will be compensated for 1 summer month (year 1); 1.5 summer months (year 2); and 2.0 summer months (year 3) for his work in planning implementing summer camps.

- **B, Co-PI:** One course release per academic year to assist Dr. A with: supervision of mentors and student participants on project; developing curriculum/activities for school-year and summer camp activities; developing the evaluation tools and an implementation plan for the project evaluation (with the other team members). In addition, B will be compensated for 1 summer month (year 1); 1.5 summer months (year 2); and 2.0 summer months (year 3) for her work in planning and implementing the summer camp.
- **Dr. C, Co-PI:** Dr. C will assist with development of curriculum/activities for the summer camp, will assist with development/design of evaluation tools (in collaboration with the evaluator and other team members); and will serve as an on-going resource for the project throughout the year. Dr. C will be compensated for 1 summer month (year 1); 1.5 summer months (year 2); and 2.0 summer months (year 3) for her work in planning and implementing the summer camp.
- **Dr. D, Co-PI:** Dr. D will be responsible for designing all activities involving computer hardware and will assist the team members with developing evaluation tools (in collaboration with the external project evaluator) and implementing the summer camp. Dr. D will be compensated 0.5 summer months each year.

\*\*Note: for all UTC personnel, a 3% annual cost of living adjustment is included in salary amounts for years 2 & 3 to cover anticipated university salary increases.

### **B. Other Personnel:**

- **Graduate Students - Mentor Coordinators: Year 1:** Funds are requested to support a full-time graduate assistant to serve as a Mentor Coordinator. The Mentor Coordinator will be responsible for day-to-day contact with the UTC Student Mentors and Teacher Mentors who need guidance on the project and will assist the PI and Co-PIs on collecting data for the formative & summative evaluation. Funds are requested for the AY stipend each year (\$5,500 per year) and \$2000 for summer work (20 hours X week X 10 weeks X \$10/hr.). **Years 2 & 3:** Funds are requested to support two full-time graduate assistants for years 2 & 3 at the same rates of pay.
- **Undergraduate Students- UTC Mentors:** Female and minority undergraduate and graduate students at UTC (in the computer science program) will be recruited to serve as Student Mentors to the minority and female participants in the program. Each mentor will be assigned to work with six participating middle school students and will be expected to attend the summer camps and be actively involved in the mini-camp and after-school activities. We anticipate that the student mentors will spend at least 24 hours each in tutoring and providing academic assistance to the project participants. Each mentor will work 150 hours per year on the project @ \$10/hour. **Year 1:** 5 mentors supported; **Year 2:** 10 mentors supported; and **Year 3:** 15 mentors supported.
- **Other:** Each year, staff members in UTC's \_\_\_ department will provide a three-day training program for all new mentors recruited to the program (student and teacher mentors), personalized training materials, as well as continual education/advice on the mentor component throughout the year. The \_\_\_ staff will be compensated \$15,000 per year for their committed time to the project.

**C. Fringe Benefits:** Fringe benefits are calculated at the rate of 34% for full time faculty/staff and 9% for part time staff (students)

**D. Travel:** \$1,400 is requested each year to support travel to state professional meetings for selected project participants (teacher, student, and mentor representative attending with project PIs); \$1200 is requested each year to support travel to the annual NSF ITEST project directors meeting. **In years 2 & 3,** \$2200 has been requested to support national conference travel to present scholarly papers/results from the project and to disseminate project information. The purpose of conference travel for the PIs and participants is two fold: to disseminate information about the project and for the students/teachers to become more involved in the IT profession.

**E. Participant Support Costs:** Costs associated with activities for the student participants, summer camp activities and other activities are detailed below:

#### **1. Travel:**

- **Year 1 – 30 active participants:** a. \$5,000 is budgeted to support field trip activities for student participants to interact with professionals in the workplace (with local industry/corporate partners); b. \$5,000 is budgeted to support transportation for students to attend summer camp and other school-year activities. Though parents will be encouraged to provide transportation (if they can), we believe some student participants will need daily transportation to our summer camp and other school year activities.

## Budget Justification – Project \_\_\_\_\_

- **Year 2 – 60 active participants:** a. \$7,500 is budgeted to support field trip activities for student participants to interact with professionals in the workplace (with local industry/corporate partners); b. \$7,500 is budgeted to support transportation for students to attend summer camp and other school-year activities.
- **Year 3 – 90 active participants:** a. \$10,000 is budgeted to support field trip activities for student participants to interact with professionals in the workplace (with local industry/corporate partners); b. \$10,000 is budgeted to support transportation for students to attend summer camp and other school-year activities.

### 2. **Subsistence:** Food will be provided to participants, mentors, and project staff for summer camp activities:

- **Year 1:** 43 camp participants (mentors, staff, students): \$22/per person, per day X 10 days - \$9,460; 2 dinners during summer camp X \$20/dinner X 43 participants - \$1,720; \$200 per year to support light refreshments for control group participants.
- **Year 2:** 79 camp participants (mentors, staff, students): \$22/per person, per day X 10 days: \$17,380; 2 dinners during summer camp X \$20/dinner X 79 participants - \$3,160; \$200 per year to support light refreshments for control group participants.
- **Year 3:** 115 camp participants (mentors, staff, students): \$22/per person, per day X 10 days: \$25,300; 2 dinners during summer camp X \$20/dinner X 115 participants: \$4,600; \$200 per year to support light refreshments for control group participants.

### 3. **Other:**

- a. **Parking:** Funds are requested to support parking fees for parents attending activities. Faculty parking is not included. These expenses amount to \$840 for year 1, \$1680 for year 2, and \$2520 for year 3. Parking is \$4/day for UTC campus events. The number of participants will increase each year thus the increase in costs.
- b. **Incentives for control group participants:** in order to attract control group participants to attend two UTC events during the summer (before the camp begins and soon after it ends – to get a true control group sample) we have budgeted funds to support incentives for participants each year: \$20/per participant X 2 visits X 30 participants = \$1,200 per year.
- c. **T-shirts for participants and mentors:** year 1 - 40 t-shirts X \$10 ea. = \$400; year 2 - 80 t-shirts X \$10 ea. = \$800; and year 3 - 120 t-shirts X \$10 ea. = \$1,200.

## **F. Other Direct Costs:**

### **1. Materials and Supplies:**

- **Year 1:** a. \$6,000 to purchase three lap tops for use by project staff for project activities, including camp presentations/interactions, school year activities (mini-camps in the school system and after school activities in the school system), collection/storing of evaluation data, and overall project management; b. \$6,000 to purchase laptops for three teacher mentors recruited in year 1. The teacher mentors will utilize the laptops in camp, mini-camp, and after school activities, as well as with students in tutoring and enrichment activities after school; c. \$2,100 to purchase a laptop and printer for the Mentor Coordinator for use in project activities and work with teacher and student mentors.; d. \$5,000 to support costs for scholastic supplies for participants: \$100/month X 7 months = \$700 (school year) and \$100 per participant for summer camp (\$100 X 43 - \$4,300).
- **Year 2:** a. \$6,000 to purchase laptops for three teacher mentors recruited in year 2. The teacher mentors will utilize the laptops in camp, mini-camp, and after school activities, as well as with students in tutoring and enrichment activities after school; b. \$2,100 to purchase a laptop and printer for the second Mentor Coordinator hired for use in project activities and work with teacher and student mentors.; c. \$8,000 to support costs for scholastic supplies for participants.
- **Year 3:** a. \$6,000 to purchase laptops for three teacher mentors recruited in year 3. The teacher mentors will utilize the laptops in camp, mini-camp, and after school activities, as well as with students in tutoring and enrichment activities after school; b. \$11,000 to support costs for scholastic supplies for participants.

**2. Publication/dissemination costs** for recruitment materials, brochures, curriculum materials developed, etc. is budgeted at \$2,000 for year 1, \$3,000 for year 2, and \$4,000 for year 3.

### **3. Consultant Services:**

- **Teacher Mentors:** We will recruit a total of nine teacher mentors to work on the project (three new teacher mentors each year). Each teacher mentor will work with a group of ten participating students and will be compensated a total of \$2,200 for their participation during the AY and summer activities. Each will be paid a stipend of \$2,000 per academic year (and will work 5 hours/week, on average, with student participants) and \$200 each for participating in summer camp activities. Year 1: 3 active teacher mentors; Year 2: 6 active teacher mentors; and Year 3: 9 active teacher mentors.
- **Dr. E, School System Coordinator:** Dr. E will serve as a liaison between the project Co-PIs and Hamilton County schools and will help recruit teacher mentors and students to participate in the program. She will also provide her input into the design of the project evaluation and curriculum activities designed for school-year enrichment activities and the summer camp. \$2000 per year is requested to compensate Dr. E on the project.

## Budget Justification – Project \_\_\_\_\_

**4. Subawards:** UTC will subcontract with Compass Consulting Group to conduct the project evaluation. Compass Consulting estimates that the cost of this evaluation will be \$111,469 for three years (\$37,156 annually). This cost includes travel costs associated with a two 2-day / 1-night visits to Chattanooga for administrative, reporting, and/or data collection purposes. Additional details are provided in the budget below.

Budget Category				
	Year 1	Year 2	Year 3	TOTAL
<b>PERSONNEL</b>				
Dr. F (\$524 per day; 22 days)	\$11,528	\$11,528	\$11,528	\$34,584
TBD (\$524 per day, 18 days)	\$9,432	\$9,432	\$9,432	\$28,296
Benefits (27.75%)*	\$5,816	\$5,816	\$5,816	\$17,449
<b>TOTAL PERSONNEL</b>	<b>\$26,776</b>	<b>\$26,776</b>	<b>\$26,776</b>	<b>\$80,329</b>
<b>EXPENSES</b>				
Printing/Copying	\$300	\$300	\$300	\$900
Materials and Supplies	\$200	\$200	\$200	\$600
WeB Survey Fee	\$120	\$120	\$120	\$360
Postage	\$50	\$50	\$50	\$150
Data Entry (\$14 per hour - est. 20 hours)	\$280	\$280	\$280	\$840
<b>TOTAL EXPENSES</b>	<b>\$950</b>	<b>\$950</b>	<b>\$950</b>	<b>\$2,850</b>
<b>TRAVEL (reflects GSA rates)</b>	<b>2 trips</b>	<b>2 trips</b>	<b>2 trips</b>	<b>6 trips</b>
Airfare/Mileage (\$500 roundtrip)	\$1,000	\$1,000	\$1,000	\$3,000
Lodging (\$110 per night x 1 night)	\$110	\$110	\$110	\$330
Car Rental (est. \$120 for 2 days)	\$120	\$120	\$120	\$360
Per Diem (\$36 per day x 2 days)	\$72	\$72	\$72	\$216
<b>TOTAL TRAVEL</b>	<b>\$1,302</b>	<b>\$1,302</b>	<b>\$1,302</b>	<b>\$3,906</b>
<b>OVERHEAD (28.0%)**</b>	<b>\$8,128</b>	<b>\$8,128</b>	<b>\$8,128</b>	<b>\$24,384</b>
<b>TOTAL</b>	<b>\$37,156</b>	<b>\$37,156</b>	<b>\$37,156</b>	<b>\$111,469</b>

\*The breakdown for partner benefits (estimated as 27.75% of partner wages) is as follows: FICA - 6.20%, Medicare and Social Security - 1.45%, health insurance - \$4500/per person annually – 6.2%, disability insurance – 2.4%, liability and business (renters) insurance – 1.5%, and retirement - 10%.

\*\*Overhead is for all costs that are absorbed by Compass (i.e., not project specific) and is estimated at 35.0%. They include indirect expenses such as accounting, advertising, depreciation, indirect labor, insurance, interest, legal fees, rent, repairs, supplies, taxes, telephone, travel and utilities. Appropriate documentation can be provided to NSF upon funding

**5. Other Direct Costs: Tuition for Mentor Coordinators:** Tuition expenses will be paid for the graduate student mentor coordinators. Graduate tuition has been included (with a projected increase of 10%/year to cover any potential increases): \$5,218/ student for year 1; \$5,740/ student for year 2; and \$6,314/student for year 3.

**G. Indirect costs** are calculated at the university rate of 48 percent of salaries and wages.