



BDPA Education Technology Foundation [BETF]
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March 10, 2010

Ball Aerospace & Technologies Corp.
Corporate Contributions Program
1600 Commerce St., Bldg. RA-8
Boulder, CO 80301

Dear Sir or Madam:

The Black Data Processing Associates (BDPA) would like to thank the Ball Aerospace for considering our grant application. This request is being sent from the BDPA Education & Technology Foundation (BETF) on behalf of our National BDPA chapter. BETF is a 501(c)(3) foundation that serves as the fiscal agent searching for the funding necessary to support the educational and technical programs for BDPA and its 45 chapters.

We seek partial funding for the Student Information Technology Education & Scholarship (SITES) program. The objective of our SITES program is to effectively use technology to stimulate and sustain the interest of young people in science and technology. BDPA seeks an increased interest from parents and students alike on basic science, technology, engineering and math (STEM) knowledge and integration of science, technology and math in their lives. Many of the parents are not tech-savvy. We are building a strong relationship with public school systems around the nation to entice high school students to participate in our program.

BDPA would work with your community relations area to deliver a program where traditionally underrepresented students in communities co-located with Ball Aerospace offices can be introduced to computers and basic software programming. **Please consider this our formal request for grant in the amount of \$10,000.**

The sustainability statement is included in the attached grant proposal. Our plans for continued funding of the SITES program revolve around membership donations, fundraising events and corporate sponsorships. National BDPA (founded in 1976) received SITES funding in the past from a variety of sources (www.bdpa.org/corp-sponsor-directory.php). We currently have one other grant proposal (BAE Systems) in process for National BDPA.

The National BDPA National Vice President is Paulette Johnson-Davis (vpms@bdpa.org). We understand today's demands on corporate charitable contributions, and we understand the time necessary to consider each application. We appreciate your time and thank you for your consideration of our application. If you accept our grant, please make checks payable to BETF and mail to the address noted on this page. BETF provides accounting for all grant funds.

I certify that neither BETF nor National BDPA discriminate based on race, color, age, sex or national origin. My signature below also certifies that our most recent IRS notification of our organization's 501(c)(3) status is attached to this application and that the organization has received no notice from the IRS of any proposal, threat or suggestion to revoke or modify this determination.

A handwritten signature in black ink that reads 'R. Wayne Hicks'.

R. Wayne Hicks, Executive Director
BDPA Education & Technology Foundation

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If awarded, we would be willing to publicize the grant as follows:

- Press release on your letterhead
- Press conference
- Permanent recognition signage
- Recognition on program materials
- Recognition on website

Needs Statement - SITES Program Overview

Earl Pace and David Wimberly founded BDPA in 1976 as a local association. Within three years, the founders grew BDPA into a national organization with chapters in Philadelphia, Washington DC and Cleveland. Today, there are 45 chapters throughout the United States. One part of the BDPA legacy is our Student Information Technology & Scholarship (SITES) program. This is a program that enriches the educational opportunities for our students in an after-school program of technology training from the BDPA National chapter with a focus on low-and moderate-income communities.

BDPA established the Student Information Technology & Scholarship (SITES) program to teach advanced computer science and community responsibility to students from historically disadvantaged communities. The centerpiece of SITES is our High School Computer Competition (HSCC). BDPA started the HSCC program in 1986 when we observed the growing need for youth of color to possess basic computer skills. The HSCC program was our effort to bridge the ‘digital divide’ before the term was widely known. BDPA recognizes that to close the gap of computer and technology literacy, minority youth must participate and compete in today’s digital economy. Otherwise, our youth run the risk of being obsolete in America’s workforce.

The SITES program is an intellectually challenging program that builds self-esteem through the mastery of applied computer science. We create a foundation for academic and career success. SITES trains our youth to use technology as a vehicle to learn skills and concepts beyond the technology itself. In essence it bridges the gap between long-term educational approach of the classroom and short-term skills experience of the workplace.

The SITES program was created to introduce underrepresented minority youth to the IT field. BDPA chapters around the national conduct this youth education training over a nine-month period that concludes with the top five students competing in the National BDPA High School Computer Competition for college scholarships and prizes. The SITES program is open to 8th-12th grade students. The students are not required to have prior computer training to participate in the program.

The SITES curriculum is developed and taught by *volunteer* professionals with computer science and IT backgrounds. The curriculum focuses on industry standard programming languages, problem solving techniques, and conceptual design. Technologies that will be taught in 2010 include:

- Web Programming with ASP.NET, C#, PHP
- Relational Database Management with MySQL
- Web Site Design and Development with HTML
- Java, C/C++ (overview)
- Networking concepts

National BDPA chapter has trained thousands of students since the programs' inception. Following successful completion of the program, numerous SITES scholars continue to hone their technological skills in college and in the workplace.

In summary, the purpose of the SITES program is to expose young people to the fields of computer science and IT; with the overall goal of increasing the understanding and accessibility of math and science technology in historically disenfranchised communities.

National BDPA National will train over 800 students in the program this year. Students are not required to have prior computer training before entering the program. Many of these students will be taken to the 2010 BDPA Youth Technology Conference held in Philadelphia, PA.

The two-track course curriculum for the computer training is designed as building blocks to first provide a general introduction to computers and web design, then a more in-depth training for qualifying students in web programming, and finally to prepare the top five students from each of our 45 chapters for the national competition.

First Track: Computer Science 101, Introduction to Web Design (12 weeks)

During this track, students are introduced to basic web design and computer concepts. Through team exercises and classroom assignments, students obtain a better appreciation and understanding of what it takes to build a quality web application. By the end of this track students have an excellent understanding of HTML and are ready for the second track. The top five students from each local BDPA chapter are selected to proceed to the final track.

Second Track: Advanced Computer Science, Web/Database Programming (14 weeks)

During this track, students go beyond HTML and learn how to programmatically build web applications with a relational database backend using ASP, PHP, .NET and MySQL. The five students are given fourteen (14) weeks of intensive training. This track is a culmination of everything that the student has learned during the first twelve weeks of instruction. Here the focus is on teamwork, presentation skills, advanced problem-solving and time management. The students will learn how to evaluate a business case, create a system design, and code a web application that meets the needs as listed in the business case. By the end of the track, the students are ready to demonstrate their talents at the national conference.

Sustainability Statement - National BDPA

The mission of the BDPA is to support local information technology (IT) professionals and increase the number of historically under-represented persons of color in science, technology, engineering and mathematics (STEM) areas. This mission is accomplished in a variety of ways, including: monthly presentations on leading-edge topics in IT; career transition sessions for members interested in changing their profession; and community outreach –“hands-on” computer skills training for youth, working adults and small businesses owners.

BDPA is making a significant impact in the community through programs such as the Community Youth Technology Camp, High School Technology Program, High School Computer Competition Team and Professional IT workshops. BDPA believes that computer literacy is not an “optional” skill. Computer technology is intertwined within the fabric of daily life of most Americans regardless of age, sex, gender, and race. Everyone must have more than a basic understanding of computers.

Our top three goals for the SITES program are:

1. Improved math test scores as measures by National Public School testing, SAT testing or ACT testing
2. Increased number of students that continue onto post-secondary education
3. Performance at the national High School Computer Competition held in Philadelphia, PA on July 28-31, 2010.

We will measure success as follows:

1. Improved math test scores as measured by local public school district testing, SAT testing or ACT testing – We will obtain math test scores at the beginning of the 2010 SITES program for each student and again at the end of the program. Our goal is to see improvement in those individual test scores.
2. Increased number of students that continue onto post-secondary education – We will track the progress of the students trained in the 2010 SITES program. Our goal is that students trained by BDPA will enter post-secondary educational institution (e.g., college) at a rate higher than the national average.
3. Performance at the national HSCC championships held in Philadelphia PA on July 28-31, 2010. With funding commitment from the Ball Aerospace we hope to make a difference for our students. It should be noted that the top 5 teams all receive Jesse Bemley Scholarships.

BDPA wants to arm today’s youth with the confidence of knowing that they have real workforce skills to compete both academically and professionally in today’s global economy.

Attachment A - SITES Program Budget (National BDPA)

PROJECT BUDGET FORM

Applicant: BETF- National BDPA

Project:

SITES

SECTION ONE - PROJECT INCOME

Funding Sources: List each actual and/or anticipated source of funding for this project ONLY. Do NOT include in-kind support.	2010		Check one:
	Amount	Funds Committed	Funds Requested
Ball Aerospace	\$ 10,000.00		<input checked="" type="checkbox"/>
Other BDPA Corporate Sponsors or Grant Proposals	\$ 598,756.33		<input checked="" type="checkbox"/>
BDPA Membership Dues	\$ 35,416.67	<input checked="" type="checkbox"/>	
Total Project Income	\$ 644,173.00		
SECTION TWO - PROJECT EXPENSES	B		
	2010		
Expense Items: List expense items for this project.	Amount	Amount of item to be funded from Foundation grant	
SITES Preparation (Jan 2010 - Jul 2010)	\$ 184,968.00	\$ -	
SITES Participation (Aug 2010, national competition in Philadelphia)	\$ 390,955.00	\$ -	
SITES Performance (Scholarships, awards & recognition)	\$ 68,250.00	\$ 9,250.00	
ADMIN: BDPA Educ & Tech Fdn (15% of total; \$750/max)	\$ -	\$ 750.00	
Total Project Expense	\$ 644,173.00	\$ 10,000.00	
	Should match total above	Should match requested amt	

SECTION THREE - Ball Aerospace

Expense Items: List expense items specifically requested from Ball Aerospace	B	
	2010	
	Amount	
PREP: Books, materials & manuals (800 students)	\$ -	
PREP: Supplies, postage, mailings (800 students)	\$ -	
PREP: Training Session Snacks (800 students)	\$ -	
PARTICIPATION: Nat'l Competition (Philadelphia PA)	\$ -	
PERFORM: plaques & team awards	\$ 9,250.00	
ADMIN: BDPA Education & Technology Foundation	\$ 750.00	
Total Project Expense	\$ 10,000.00	
	Should match total above	

Attachment B - Board of Directors

National BDPA Board of Directors

Yvette Graham, President
Employer: Allstate Insurance
Phone: (847) 840-4137

Donald Brown, Chief Information Officer
Employer: Prudential Insurance
Phone: (973) 716-4365

Monique Berry, President-Elect
Employer: Vanguard
Phone: (484) 682-9656

Mildred Allen, VP-Membership Management
Employer: SCANA
Phone: (803) 210-9152

Monica Bowe, VP-Finance
Employer: KeyBank
Phone: (216) 689-1400

Paulette Johnson-Davis, VP-Member Services
Employer: BlueCross BlueShield of South Carolina
Phone: (803) 446-0925

Curtis Jenkins, VP-Strategy and Planning
Employer: Amtrak
Phone: (610) 608-4727

BETF Board of Directors

Earl A. Pace Jr., BETF Chairman of the Board
Pace Data Systems
National, PA

Glenn Rogers, BETF Director
Silverback Group
Montclair NJ

Lydia Barron, BETF Director
JNet Communications
Weston, CT

BETF Staff

John Eckenrode, BETF Director
CPSI
Baltimore, MD

Wayne Hicks, Executive Director
BDPA Education and Technology Foundation
National, OH

Dr. Tayo Ibikunle, BETF Director
JPMorgan Chase
Wilmington, DE

Valorie Hartridge, BETF Chief Financial Officer
Marriott International
Seabrook, MD

Larry Quinlan, BETF Director
Deloitte
Atlanta, GA

Rudy Duke, BETF Chief Information Officer
Nextium Solutions
Bowie, MD