

PROJECT ABSTRACT

Authorized Agent: Triad Math and Science Academy (TMSA)

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Need: From the most gifted to the academically disadvantaged or at-risk students, there is a rising need for educators to serve better all students across the United States. In Guilford County and North Carolina, parents are beginning to see some quality charter schools and considering them as a viable option for their children. Need for schools that deliver a rigorous curriculum, focus on accountability, and actively participate in competitive extra-curricular programs has been a major concern of all educators and stakeholders. Therefore, new and promising educational approaches should be explored or supported.

Project: This project is aiming to provide implementation support for K-12 grades and building costs at TMSA, in Greensboro, NC. TMSA has not received any the Planning/Program Design/Implementation assistance at state level or federal level since the start date of August 2008. We have only relied on community and parental support in its first two years. Until now a former school building that had been fully furnished with its classroom desks, chairs, boards, and cafeteria materials, had been leased and served as our temporary school building. Finally we found a new facility that will best serve our needs. As we are in the process of moving to our permanent school facility and building, we are challenged with incurring infrastructure and building costs.

Furthermore, The Charter School program funds will be used to offset basic costs, such as textbooks, desks, computers, curriculum materials, technology needs, contractual works, and other necessary equipments and materials, to be able to run an effective, high quality K-12 public school in Guilford County. Most importantly we are requesting funds to bring the new building up to fire safety codes, install data cabling, set up two state of the art computer labs and media center to help prepare our students to careers in the science and technology fields and equip classrooms with more advanced instructional technologies to help improve the effectiveness of the instruction in the classroom at all levels.

TMSA's inquiry-based curriculum offers math, science, and technology learning opportunities for students to develop the capacity to succeed in college and pursue challenging scientific careers, through research-based and proven teaching methods; performance based accountability measures; and dedicated leadership. In order to achieve this goal, we are requesting funds to provide professional development opportunities and dedicated planning time as we grow and expand our faculty. We anticipate that results from TMSA student accountability will meet or exceed our charter objectives and result in high performance in state mandated measurements. We measure our students' progress with many strategies that assess and evaluate student performance at the individual, classroom, state and national levels.

Our approach to extra-curricular activities is one of the most unique features of our program. Among others TMSA supports and promotes clubs, such as, robotics, math works, Lego league, science competitions and Olympiads, and programs. Our program will not only increase student interaction, but also prepare students to work collaboratively in diverse environments, develop important skills for securing employment, and promote responsible citizenship.

We believe that this grant will make a world of difference in our school and surrounding North Carolina Communities and **we are requesting \$ 643,406.00 for 2010-2011 School year since we are at the end of our eligibility.**