

Please Type or Print in Ink

GAF: Grant Approval Form

RAE# _____

FOR GRANT APPLICATIONS \$2,000 OR MORE

Office Use Only

Date of Board Meeting: _____

Agenda Item No. _____

New Grant

Section 1: General Information:

Continuation

Grant Start/End Dates: January 2009 Application Deadline: contest entry 7/15/08 Grant Amt: \$2500

Funder's Grant Title: MathMovesU Your Grant Title: Math Foundations Come Alive and Tangible
e.g. Weller Teacher Mini-Grant, Building Blocks for Success, etc. e.g. Up, Up and Away, Exploring Our Heritage, Young Galileos, etc

Grant Writer: Pamela Inman School/Dept. Booker High School Phone 355-2967 Ext 65325

Grant Contact Person* Pamela Inman School/Dept Booker High School Phone 355-2967 Ext 65325

*This is the school/district-based person who is in charge of the grant.

Schools/Programs to be served by this grant	# of staff impacted	# of students impacted	# of parents impacted
Booker High School level 1 and 2 math students in grades 9 and 10	10	750	1000

Does this grant require matching funds? Yes No If yes, what amount? _____ How will these funds be raised? _____

Grant Description

Please fill in all blanks. Do not refer to attachments in your summaries. Do not attach separate sheets.

Briefly summarize the overall purpose/objective of the grant and indicate how this grant will contribute to the needs and goals of your School Improvement Plan and/or District Plan. (Not grant activities)

Math Foundations Come Alive and Tangible offers level 1 and level 2 students nontraditional methods of instruction to foundational algebraic, geometric, and data skills. Booker High School's School Improvement Plan focuses on improving math skills for each population. The Math Foundations Come Alive and Tangible grant's purpose is to firm up the foundations for these concepts which should raise their understanding. Additionally, the grant works with students in the lowest quartile and these foundational lessons should show in a learning gain.

Briefly list grant program activities (what is going to be done with the grant funds):

For each of the 5 strands of mathematics there are at least 2 activities which require students to be more physically involved than in the traditional classroom so they have kinesthetic reinforcement to their auditory and visual learning. For Numerical Sense: students will have real number cards and put them in order without speaking and make a Venn diagram with real number cards categorizing the numbers as natural, whole, integer, rational and irrational. For Algebraic Thinking: students can make their own signs with personalized acronyms for PEMDAS thus internalizing it; inverse operation cards Addition/Subtraction, Multiplication/Division, Square/Square Root will be held up during class to tell a teacher what to be done next to solve a problem. For Geometric Sense: ropes will be laid on the floor to produce a coordinate plane where desks are the ordered pairs - students will first locate points to label the desks and graph lines; use wax paper for transformations. For Measurement: use the same coordinate plane ropes to have students find slope; have students wrap small boxes to better understand surface area; mix punch to work with ratios of liquids then everyone gets to enjoy it. For Data Analysis: probability of colors in fun size candy leading to variety of individual and class pie graphing opportunities; set up some type of election to understand combinations. For each activity there will be a teacher inservice component so each teacher is clear and the instruction is consistent across the campus.

Please provide a brief explanation of pertinent budget items that will be funded through this grant. (Please indicate if funds will be used for new/old staff position, contracted services, travel, materials/supplies, equipment/furniture, facilities, and other applicable items.)

Materials & Supplies	Description	Quantity	Unit Price	Total
Rope, twine	- the rooms must be measured - best estimate	500 yd	@ \$2	\$1000
Card stock	-	15 reams	@ \$15 approx	\$ 225
Markers	-	300 sets	@ \$1.99	\$ 597
Wax paper	-	20 rolls	@ \$1.99	\$ 39.80
Supplies for punch	- fruit juices, 7-up, ginger ale, cups			\$ 250
Candy for probability		2400	@ \$.99/8	\$ 247.50
Printing				\$ 75.90
Total				\$2500

How will grant activities be continued after the end of grant period?

The food items and some of the individualized PEMDAS cards will be consumable. All other items can be used year after year.

Constance White-Davis

Print Name of Cost Center Head

Signature of Cost Center Head

12-19-08

Date

Send this completed form and 1 copy of your grant to the Grants Office, Research, Assessment, and Evaluation-Landings

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Section Two: Summary for grants over \$2,000.
(These grants require School Board approval and must be placed on the School Board Agenda by Grants Office staff.)

Fiscal Management will be done by: <input type="checkbox"/> District Finance Office <input checked="" type="checkbox"/> School Internal Account <input type="checkbox"/> Other (name): _____	<input type="checkbox"/> Entitlement/Flowthrough <input checked="" type="checkbox"/> Competitive/Discretionary <input type="checkbox"/> Continuation <input type="checkbox"/> Other: _____	Fund Source: <input type="checkbox"/> Federal (indirect cost \$) _____ <input type="checkbox"/> State <input type="checkbox"/> Local Foundation <input checked="" type="checkbox"/> Other: Raytheon Corporation
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Name of Primary Fund Source	Funder's Contact Name	Funder's Address	Phone Number	\$ Amount
Scholarship Management Services	Elizabeth Tuma	One Scholarship Way P. O. Box 297 Saint Peter, MN 56082	(507)931-0439	\$2500+

NOTE: If MAJOR TECHNOLOGY is part of this grant:
(does not include cameras, DVD players, etc.)

Your school technology support personnel must review the physical capabilities of the area involved and agree that no additional wiring or electrical work, beyond what is provided through the grant, will be needed to complete the project. Please have your technology support staff member sign off on your project here.

Technology Support Staff

NOTE: If your project involves CONSTRUCTION or requires RETROFITTING space:
Please call Jody Dumas to discuss your project and receive approval to go forward with your proposal. He can be reached at 361-6311 ext. 68824. If approved, you will need to create a memo for his approval and signature, to be included with your GAF.

Thank you. Please call ext 927-9000 ext. 32172 with questions.

GRANTS OFFICE USE ONLY

Section Three: Signatures
Grants Office personnel will obtain applicable signatures in this section

<p style="text-align: center;"><i>Non file</i></p> <p>_____ *DISTRICT DIRECTOR OF TECHNOLOGY INFORMATION SERVICES</p> <p style="text-align: center;"><i>Non file</i></p> <p>_____ RESEARCH, ASSESSMENT & EVALUATION (RAE)</p> <p style="text-align: center;"><i>Non file.</i></p> <p>_____ *EXECUTIVE DIRECTOR OF ELEMENTARY, MIDDLE, OR <u>SECONDARY</u></p>	<p style="text-align: center;"><i>Non file</i> <i>Non file</i></p> <p>_____ *DIRECTOR OF FACILITIES SERVICES <i>Construction</i></p> <p style="text-align: center;"><i>Non file</i></p> <p>_____ DIRECTOR OF BUDGET</p> <p style="text-align: center;">_____ ASSOCIATE SUPERINTENDENT</p> <p style="text-align: center;"><i>Lara White</i></p> <p>_____ SUPERINTENDENT</p> <p style="text-align: center;">*Signatures needed only if applicable.</p>
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