

**Office Use Only**

Date of Board Meeting:

Agenda Item No. \_\_\_\_\_

New Grant

**Section 1: General Information:**

Continuation

Grant Start/End Dates: August, 2011 Application Deadline: May, 2011 Grant Amt: 69,823.00

Funder's Grant Title: State Farm Youth Advisory Board (YAB) Grant Your Grant Title: Facilitating Student-based Aquaculture Research via Outdoor (Greenhouse) Classroom Project-based Activities (Stars to Starfish!)

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: Effa Beauette et al School/Dept. Riverview High School Phone 923-1484 Ext 64051

Grant Contact Person\* Effa Beauette School/Dept Riverview High Phone 923-1484 Ext 64051

\*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
These funds are matching funds and will be used to complete the approved grant project titled: <b>Facilitating Student-based Aquaculture Research via Outdoor (Greenhouse) Classroom Project-based Activities (Stars to Starfish!).</b>	Approximately 20	Minimally 6 class sections of aquaculture students plus environmental, marine Bio, engineering, & business classes.	All the parents of the students impacted.

Does this grant require matching funds? Yes X No If yes, what amount? \_\_\_\_\_ How will these funds be raised? These funds serve as matching to the previously approved attached GAF and will allow project completion!

**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)

The primary objective of this grant is to enhance and develop an education research-based program within our large comprehensive high school of 2500 students. The primary vision involves providing hundreds of students with knowledge, skills, technologies, and field experiences basic to a wide variety of marine and freshwater aquatic careers through a curriculum that integrates aquatics, aquaponics, science, math, business, engineering, aerospace, earth science, and communications. The end result would be post-secondary degrees and/or certifications. The vehicle by which this would occur involves the furnishing of an outdoor classroom/greenhouse that will allow for a variety of research-based/hands-on activities. A secondary objective involves collaborating with the public sector through partnerships (i.e. providing internships at Mote Marine's Aquaculture Park, working with community advisory board members, etc.). so as to educate the community regarding the enormous significance of the industry. In addition, such collaboration (i.e. shadowing, speaker's bureau) will lead to increased environmental stewardship, and possibly to student-produced original research considered of value by local organizations, businesses, and universities. The permitting process for the aquaculture greenhouse has been completed and awaits construction. With the additional funds the infrastructure of the 30 X 72 foot aquaculture greenhouse can be completed...and the project can be expanded to include the original concept "STARS to STARFISH" ...one that will allow Riverview to truly become a "Space, Earth, and Sea Interactive Demonstration School"!

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

This State Farm YAB grant is a continuation of the School Board Approved 2010-2011 ARC grant proposal involving the construction of an aquaculture/aquaponics outdoor learning laboratory via a 30" x 72" aquaculture greenhouse. This structure will allow classes in aquaculture, agriscience, marine science, environmental science, chemistry, biology, engineering, galactic studies, and business to collaboratively establish, monitor, and report on a variety of hands-on/research-based aquaculture activities. For example, student activities will include: developing a combined tilapia/vegetable growing system; growing mangroves for community restoration purposes; developing higher-level technologies applicable to filtration and aquaponic systems; breeding ornamentals and researching production techniques; conducting nutrition and health studies; learning how to test water for dissolved oxygen, pH, ammonia and tank inflow; and identifying best management practices. A major them will involve "PRESERVE TODAY FOR TOMORROW'S FUTURE" ...one that will allow extensive community and business involvement in addition to academic enrichment!

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.)

The majority of grant dollars will be used to complete the infrastructure of the greenhouse that has already been purchased, specifically the electric, plumbing, mechanical, lighting, etc. as prescribed by the Sarasota County School District Construction Services. Other expenditures may include equipment within the greenhouse. Again, the project has already completed all necessary components for permitting approval!

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

The program should become self-sustaining through FTE and student-marketed products. In addition, the community advisory committee has agreed to assist in the procurement of additional project and partnership related grants and products.

Riverview High School  
Linda K. Nook \_\_\_\_\_ Linda K. Nook \_\_\_\_\_ 8/18/11  
Print Name of Cost Center Head Signature of Cost Center Head Date

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

Please Type or Print in Ink

GAF: Grant Approval Form

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.)

Per Budget Office

Fiscal Management will be done by:

- District Finance Office
- School Internal Account
- Other (name): \_\_\_\_\_

Project number, if known: \_\_\_\_\_

- Entitlement/Flowthrough
- Competitive/Discretionary
- Continuation
- Other: \_\_\_\_\_

Fund Source:

Federal: Indirect cost \$ \_\_\_\_\_  
CFDA # \_\_\_\_\_

- State
- Local Foundation

Other: State Farm Youth Adv Bd

Name of Primary Fund Source	Funder's Contact Name	Funder's Address	Phone Number	\$ Amount
State Farm Youth Advisory Board				



**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

\_\_\_\_\_  
\*DISTRICT DIRECTOR OF TECHNOLOGY INFORMATION SERVICES

*on file*

RESEARCH, ASSESSMENT & EVALUATION (RAE)

\_\_\_\_\_  
\*DIRECTOR OF FACILITIES SERVICES

*on file - conditional approval* *approval* *on file*

*Construction Services*

*on file*

DIRECTOR OF BUDGET

\_\_\_\_\_  
\*EXECUTIVE DIRECTOR OF ELEMENTARY, MIDDLE, OR SECONDARY

*on file*

ASSOCIATE SUPERINTENDENT

\_\_\_\_\_  
SUPERINTENDENT

\*Signatures needed only if applicable.

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