Please Type or Print in Ink	Please	Type	or	Print	in	Ink
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GAF: Grant Approval Form

RAE#	
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Office Use Only							
Date of Board Meeting:					Agenda	a Item N	Vo
X New Grant	;	Section 1: General In	formation:		☐ Continuation		uation
	Complete this side	e for ALL grants, incl	uding classroo	m grants			
Grant Start/End Dates:	August 2010- May 2011	Application Dead	line: May	15, 2009	Grant A	Amt:	\$46, 070
Florida Aquaculture Review Facilitating Student-based Aquaculture					culture		
*Funder's Grant Title:	Council	*Your Gran		rch via Out			
Classroom Project-based Activities							
*e.g. Weller Teacher Mini-Grant, Building Blocks for Success, etc.							
Grant Writer: Katrin O'Connell, , Judy Meksraitis, Effa Beauette School/Dept. Riverview:/Science & CTE Phone 923-1				1484	Ext <u>64221</u>		
Esta Pagnetta DHC, Cairnes/CTE 022 1404				Ext 64322			
*This is the school/district-based person who is in charge of the grant.							
Schools/Programs to be	# of staff impacted # of students impacted		impacted	# of parents impacted			
Riverview High/CTE programs in aquaculture & engineering, Cousteau SLC, and Engineering SLC		Approximately 20	students, as we students in ma biology, engine environmental	ons of aquaculture ents, as well as all ents in marine gy, engineering & onmental science		All the parents of the students impacted	
**Does this grant require matching funds?X_YesNo If yes, what amount?none specific How will these funds be raised? The ARC Council recognizes as matching funds state FTE and CTE funding specifically as that funding supports the hiring of Riverview's Aquaculture teacher, Project Leader, and textbook purchases.							

Grant Description

Please type or print neatly in ink.

Do not attach separate sheets.

Please fill in all blanks.

Do not refer to attachments in your summaries.

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, 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.

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

It is the intent of this 2010-2011 ARC grant proposal that this 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, 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.

F u	Please provide a brief explained for new/old staff position, co	nnation of pertinent budget ntracted services, travel, materia	items that will be funded des/supplies, equipment/furniture	through this grant. (Please e, facilities, and other applicable	indicate if funds will be titems.)
ff ff s k o s tl	furnishing of the outdoor far iltered by its own recircular tudents will work with on mowledge they will then ex- orther four areas. In addition ecurity procedures, disease the team plans to enhance to corses, ornamental and other	ceived would be for the 20 cility/greenhouse. Each greation system. The rationals e area/crypt as they learn appand the growth of that or to the purchase In addition, etc. Understanding that a the education of its student or plants, koi, soft coral, and	owing area will contain fire behind this design involved how to raise a specific second process to the other found the quarantine area with mix of salt water and from the trough diversity. The I mangroves.	ve vaults/crypts, with each lives the students' "learning speciesand then once the raults. The same process all allow teachers to educate shwater species requires of	a growing area being ag curve". First, the ey have gained that s will occur with the e students regarding different procedures,
4	. How will grant activition	es be continued after the en	d of grant period?		
T	he program should become ommittee has agreed to ass	e self-sustaining through Fi ist in the procurement of ac	ΓE and student-marketed _l lditional project and partn	products. In addition, the dership related grants.	community advisory
P	Linda K. No	ok Signal	rdi H. Mc ture of Cost Center Head	ol 5/	15 109 Date
	Send tl	nis completed form and	1 copy of your grant t	o RAE (Grants Office)	
I	FRONT		OVER		Rev. 06/01/2005
	Please Type or Print in In	k GAF: Grant A	pproval Form		
	(These grants require School	Section Two: Su ol Board approval. GAF must be	mmary for grants ove submitted by the School Board	r \$2,000. meeting prior to relevant Schoo	l Board meeting.)
Fiscal Management will be done by: District Finance Office School Internal Account Other (name): Education Foundation Entitlement/Flowthrough Competitive/discretionary Continuation Fund Source: Federal (indirect cost \$)			
	Name of Primary Fund Source	Funder's Contact Name	Funder's Address	Phone Number	\$ Amount
	State of Florida Aquaculture Review Council (Division of Aquaculture)	ТВА	Tallahassee, Florida	TBA	



*NOTE: If TECHNOLOGY is part of this grant:

A memo, signed by the Cost Center Head must accompany this form. The memo must state that:

- a. The school technology personnel has reviewed the physical capabilities of the area involved and that no additional wiring or electrical will be needed to implement the grant beyond what is provided through grant funds.
- b. The memo must be cosigned by Brad Schuette (927-9000 ext 31351 FAX 927-4015). Please call, tell him about your project, then FAX your memo to him for signature. He will FAX the memo back to you for inclusion with the GAF.



*NOTE: If FACILITY CONSTRUCTION or RETROFIT are part of this grant:

c. The memo must be co-signed by Paul Pitcher, (361-6311; fax 361-6318). Please call, tell him about your project, then, if the project is acceptable, FAX your memo to him for signature. He will FAX the memo back to you for inclusion with the GAF.

Thank you. Please call ext 927-9000 ext 32254 with questions.

RAE OFFICE	USE ONLY
Section Three	: Signatures
RAE personnel will obtain a	Il signatures in this section Von file
DISTRICT DIRECTOR/OF TECHNOLOGY INFORMATION	*DIRECTOR OF FACILITIES SERVICES
RESEARCH, ASSESSMENT & EVALUATION (RAE)	Jon file DIRECTOR OF BUDGET
Von file	
EXECUTIVE DIRECTOR OF ELEMENTARY, MIDDLE, OR SECONDARY	ASSOCIATE SUPERINTENDENT
Zin Whi	· · · · · · · · · · · · · · · · · · ·
SUPERINT	ENDENT

*Signatures needed only if applicable.

SEND THIS COMPLETED FORM AND 1 COPY OF YOUR GRANT TO RAE (GRANTS OFFICE)

BACK

Rev 06/01/2005