

## Review Grant Application

<b>Grant Identification Information</b>	
Application Date	4/11/2018
Application Deadline	4/11/2018
Grant Amount	\$397,127.00
Grant Title	Red Tide Detection Devices (RTD2)
Grant Type	Competitive
Category	Science
Funding Type	Other
Paperwork on File	
<b>Grant Funder Information</b>	
Funder Name	National Academies of Sciences, Engineering & Medicine
Funders Grant Title	Gulf Research Program
Funder Project Number	
Funding Source	Grant
<b>Grant Writer Information</b>	
Writer Employee ID	a031735
Current School	Integrated Instructional Services
Writer First Name	Amy
Writer Last Name	Donner
Writer Email	amy.donner@sarasotacountyschools.net
Writer Phone Area	941
Writer Phone Prefix	927
Writer Phone Number	9000
Writer Phone Ext.	
Writer Address Line1	
Writer Address Line2	
Writer City	
Writer State	
Writer Zip Code	
Schools Served	Booker High School
Number of Staff Impacted	5
Number of Students Impacted	200
Number of Parents Impacted	0
<b>Grant Purpose/Objective Information</b>	
Estimated Start Date	9/1/2018
Estimated End Date	8/30/2020
Grant Purpose	Overall goal of RTD2 is to improve the college- and career-readiness of Booker High School students through real-world STEM experiences. RTD2 will provide BHS students with the opportunity to work side-by-side with Mote Marine Lab scientists to combat harmful algal blooms (HABs) in the Gulf of Mexico.
Grant Activities	BHS engineering & science students will work with Mote scientists to design and build equipment allowing better detection of harmful algae; marine, environmental, and experimental science classes will plan and conduct experiments to collect and analyze data. Through project-based experiences, students will experience the engineering design and scientific processes; outcomes include deep improvements in scientific understanding, environmental literacy, problem-solving, and sense of self-efficacy.
Grant Budget Items	A subaward of \$235,562 to Mote Marine Lab will pay for scientists' time and equipment/supplies for the project; other funds will pay for an evaluation, salary and benefits for a BHS teacher (0.6), summer stipends for BHS science and engineering teachers and Engineering and Science Curriculum Specialists, substitutes, and clerical assistance and travel, equipment/supplies for student work.
After Grant Plans	Additional external funding will be sought.
<b>Grant Budget Information</b>	
Indirect Costs	6388
Fiscal Management	District Finance Office
Require Evaluator	Yes

Multi-Year	Yes
Number Years	0
Matching Funds Req.	No
Matching Funds Amount	0
Amount per Year	0
Matching Funds Description	