



**Riverview Presents to the Riverview High School Foundation**

**Wish List Item: The "Stars to Starfish AquaDome" Project!**



**"PRESERVE TODAY! FOR TOMORROW'S FUTURE!"**

Thousands of children participate in "Stars and Starfish" annually!

"An investment in knowledge pays the best dividends." ~Benjamin Franklin



**The Objective ("The Why"):** Riverview High School's "Kids Teaching Kids" aquaculture program is one of the few state certified aquaculture comprehensive schools in the nation. As an integral part of the "Stars to Starfish" program, it not only is host to thousands of visiting elementary and middle school future "environmental stewards" but also serves as an "unofficial" magnet for parents who chose to attend Riverview so that their students can participate in this program. In addition, the Director of the Aquadome has developed numerous partnerships, the most current involving the raising and releasing of snook and redfish in partnership with Mote Marine Laboratory. Since its inception (10 years), the "Stars to Starfish" has served more than **30,000** visiting children.

**Mission:** To build an on-going sustainable fund for Riverview's "Stars to Starfish" EdExploreSRQ program.

**The Need:** Unlike any other program, the "Stars to Starfish" Aquaculture Aquadome requires 24 hour maintenance, supervision, and development. The kids (fish and coral) never go home. The district and school play a huge role financially, but it just is not adequate. To avoid personnel "burnout" and to keep the facility and its inhabitants safe, the following (in phases) is requested:

**...Phase One:** The school/district has hired a .6 Assistant Director who possesses a masters of Professional Science in Aquaculture (see resume). To sustain that person an amount equal to a full-time person (.4) is requested for the 2017-18 school year combined with a stipend to cover the challenges that come with the summer vacation months

**...Phase Two:** To fund the roof replacement for the Aquadome. **Total: \$3,000.00**

...Phase Three: To incorporate and maintain within the RHSF budget a yearly amount of \$10,000 for on-going maintenance, care, and development for the state-of-the-art facility and programming. **Total: \$10,000**

## **Aquadome Assistant Maintenance Manager:**

This person is more responsible for the day to day maintenance of the aquariums along with feeding and sump addition along with cleaning and water changes. See Appendix A for a detailed task list.

### **Equipment/Maintenance Needs:**

- Yearly maintenance of Pumps:  
12 pumps need switching out yearly in May (\$200 - \$300 each); \$3000
- UV Sterilizer Bulb replacement \$1500
- RO/DI Water filtration System \$800
- Sea Salt and Calcium supplies \$300
- PVC, Lowes supplies \$250
- Coral Tank Bulbs \$300
- Fish Food \$200
- Cleaning supplies (scrubbers, squeegee, pads) \$100

**Total** **\$6450**

### **Every 3-5 Years**

- 2 chillers for coral tubs \$5000
- 3 smaller chillers for coral tanks \$1000
- 3 greenhouse heaters (\$750 each?) \$2250
- Greenhouse shade cloth/cover (+install) \$4000
- Drip wall replacement \$1500

**Total** **\$13,250**

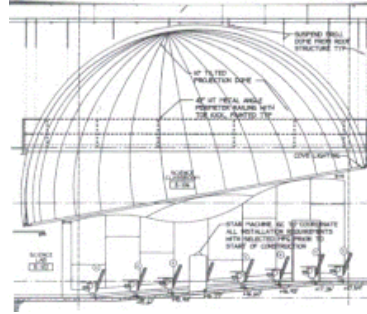
### **Snook Project:**

Heat pump/autofeeders/salt \$1000



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**Total: \$3,000.00**

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**Total: \$10,000**

**Aquadome Assistant Maintenance Manager:**

This person is more responsible for the day to day maintenance of the aquariums along with feeding and sump addition along with cleaning and water changes. See Appendix A for a detailed task list.

**Equipment/Maintenance Needs:**

- Yearly maintenance of Pumps:
- 12 pumps need switching out yearly in May (\$200 - \$300 each); \$3,000
- UV Sterilizer Bulb replacement \$1,500
- RO/DI Water filtration System \$ 800
- Sea Salt and Calcium supplies \$ 300
- PVC, Lowes supplies \$ 250
- Coral Tank Bulbs \$ 300
- Fish Food \$ 200
- Cleaning supplies (scrubbers, squeegee, pads) \$ 100

**Total            \$6,450**

**Every 3-5 Years**

- 2 chillers for coral tubs \$5,000
- 3 smaller chillers for coral tanks \$1,000
- 3 greenhouse heaters (\$750 each?) \$2,250
- Greenhouse shade cloth/cover (+install) \$4,000
- Drip wall replacement \$1,500

**Total            \$13,250**

**Snook Project:**

- Heat pump /autofeeders / salt \$1,000