



## HSU Educational Foundation

### *Game Changers*

March 2018

*"Equipped with his five senses, man explores the universe around him and calls the adventure Science."*

*-Edwin Powell Hubble*



### Go See! – From Drones to Diesels

The HSU Educational Foundation's Game Changers want you to get out there and take advantage of some great programs going on in our area! Whether you're into drones, underwater UAVs or bigger, better, faster vehicles we've got you covered! We have two separate events to peak your interest. Please RSVP to join us at either event.

**Event: 2018 SeaPerch – Panama City**

**Date: Friday Mar 9, 2018 Time: 8-4**

**Registration: Open – Students with Parents**

**Web: <https://www.seaperch.org/about>**

**Location: SeaPerch – Gulf Coast State College, Panama City Beach, FL**

**Contact: [support@hsu-foundation.org](mailto:support@hsu-foundation.org) to add your name to the list of attendees**

**Event: Suncoast Diesel Transmissions - Open House**

**Date: Friday Mar 9, 2018 Time: 11-1**

**Registration: Open to all students (parents required for 16 and under / non-drivers)**

**Web: <http://www.suncoastdiesel.com>**

**Contact: [support@hsu-foundation.org](mailto:support@hsu-foundation.org) to add your name to the list of attendees**

## Events Details:

**SeaPerch** : Come join HSU Educational Foundation and Drone TEAM Challenge as they attend events at the 2018 Seaperch Northwest Florida Regional. HSU Educational Foundation will attend in support of the Drone TEAM Challenge as they demo their quadrotors. **SeaPerch** is an innovative underwater robotics program that equips teachers and students with the resources they need to build an underwater Remotely Operated Vehicle (ROV) in an in-school or out-of-school setting. Students build the ROV from a kit comprised of low-cost, easily accessible parts, following a curriculum that teaches basic engineering and science concepts with a marine engineering theme. The SeaPerch Program provides students with the opportunity to learn about robotics, engineering, science, and mathematics (STEM) while building an underwater ROV. For those involved with the project, students learn engineering concepts, problem solving, teamwork, and technical applications.

**Suncoast Diesel Transmissions** started as a small local business in the back of a transmission shop but has now grown to over forty employees and over 70,000 sq. ft. of room to conduct operations. Suncoast started with a quest to answer the demand for quality after-market torque converters, transmissions, and parts. They have numerous CNC machines that run around the clock making parts. They also have multiple CAD developers, as well as programmers on staff, making innovation in design second nature. If you have a love for all things that go fast, you're going to want to take part in the open house on Friday March 9<sup>th</sup> from 11-1. This will be a lunch time event where we will tour the facilities and see lots of cars and trucks on display. BBQ for lunch and bounce houses and snow cones for the little ones. Suncoast has even made the generous offer to sponsor Game Changers youth members with tickets to the Diesel Thunder Spring Break 2018 race in Holt, FL the following day - March 10 but you must RSVP so we can include you on the list. March 10<sup>th</sup> will be a full day of racing action, from 9am until the party is over, at Emerald Coast Dragway in Holt, FL (Diesel Drags, Dyno, Truck Show, Tug-O-War). If you don't believe that high performance racing is a STEM related field, you're going to want to see this local business leading the way.