

## Reflection from Bristlebot Challenge...

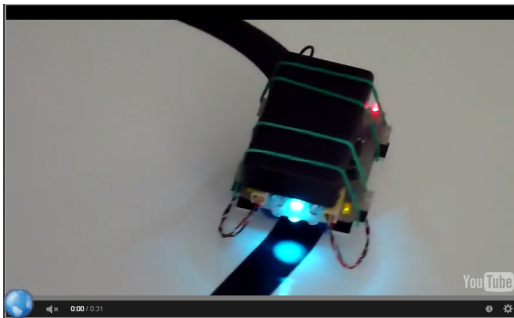
### Rubric - Journal Entry.pdf



- journal with sketches/labels was good in beginning but lost after build!
- identify issue and BRAINSTORM for ideas.
- \* **Go back to 'Engineering Design Process'**
- troubleshoot one issue at a time...journal results!
- RESEARCH and make use of prior trials/examples.
- Think Outside The Box...make use of ALL materials.

## Revisit...

- **TechPoints** - YOU build at home and bring in to video your race when ready... 20 Points!
- **Upcoming Build AFTER working with Sparkfun and MAKE Toolkits.**
- Check these out...



## Upcoming Builds...

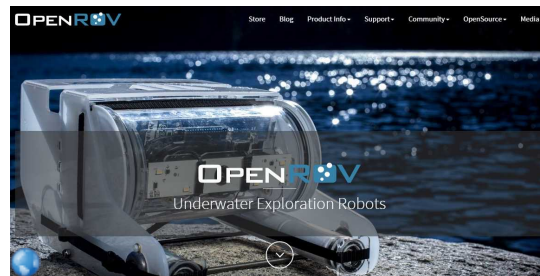
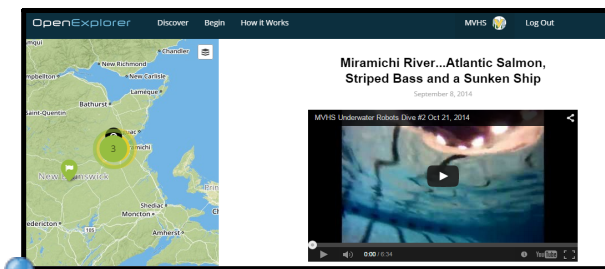
### **CLASS THEME - Underwater ROV's**

**Gamepad\_Keyboard Controls.pdf**

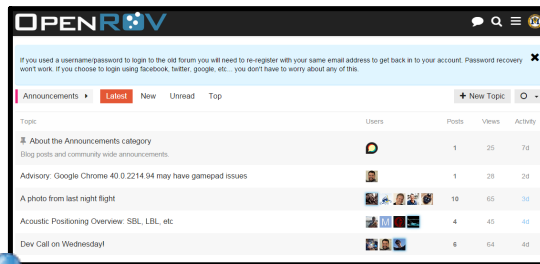


- 1) **OpenROV:**
  - motors/lights/lasers are now working
  - keyboard AND gamepad control...customize?
  - sealing issue...parts on the way - test with Dive #4
- 2) **MATE:**
  - TRIGGERFISH...build from parts!
  - videos and lessons on each step of build :)

# OpenROV Community



# New Forum!!!



# MATE Program


THE TRIGGERFISH ROV

**SeaMATE**  
TriggerFish

**ORDER FORM**

The TriggerFish ROV kit uses four bidirectional motor controllers and 2 joysticks for precision navigation. The ROV system is light and highly portable and includes a wide angle camera (170°) with high resolution 7" monitor. Although sensors (e.g. lights, temperature) and hydraulics tools are not included, they can easily be added to the ROV. The ROV system comes with banana plugs and can be powered off of most 12 volt supplies (e.g. [www.harborfreight.com/12-volt-jump-start-and-power-supply-38391.html](http://www.harborfreight.com/12-volt-jump-start-and-power-supply-38391.html))

[CLICK HERE TO SEE WHAT IS INCLUDED IN THE KIT](#)



Lesson #1 - What is MATE?

Lesson #2 - What is Technology?

Tomorrow...

- we will be doing the online safety modules

## Attachments

---

Rubric - Journal Entry.pdf

Gamepad\_Keyboard Controls.pdf