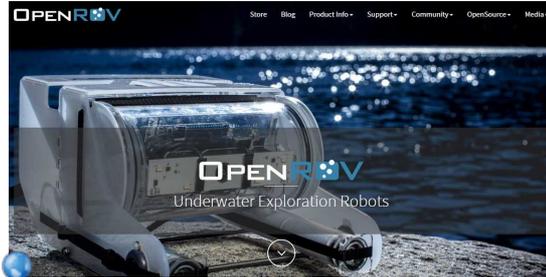
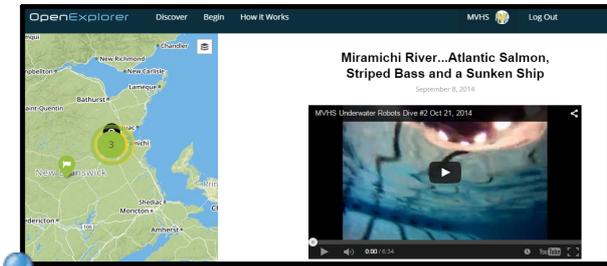
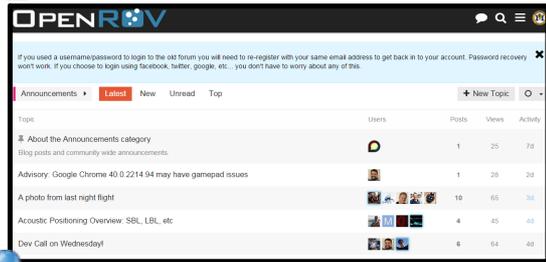


OpenROV Community



New Forum!!!



MATE Program

THE TRIGGERFISH ROV

ORDER FORM

SeaMATE
TriggerFish

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)

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



Lesson #1 - What is MATE?



Lesson #2 - What is Technology?

Possible Projects/Buils...

ROBOTICS

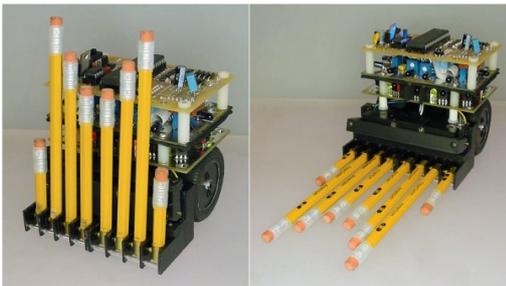
- 1) Scratch Programming & MBot Sensors
- 2) Applications of Sphero
- 3) Bluetooth Redbots and Raspberry Pi Camera
- 4) Sumobots... **Competition at Simonds High**
- 5) LegoRobotics

SUMOBOTS???

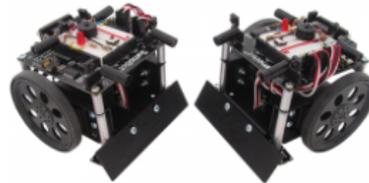
[Sumobot Rules.pdf](#)

<https://www.parallax.com/product/27402>

<http://www.robotroom.com/Mini-Sumo-Robots.html>



Front views of No.2, a champion autonomous mini-sumo robot





<https://www.lego.com/en-us/mindstorms/about-ev3>

Possible Projects/Builds...

VIDEOGRAPHY

Drones, 360 Fly VR, GoPro, Oculus Rift, iPad...

TOURISM & Miramichi & School Spirit

Possible Projects/Builds...

3D PRINTING

- 1) Merchandise
- 2) Custom 3D Designs
- 3) Applications within another project

Possible Projects/Builds...

Brilliant Lab Challenges



<https://www.brilliantlabs.ca/learn>

Possible Projects/Builds...

ASD North StemFair / StemFest

1) Follow the guidelines for project submission

***** End of March 23rd at James M. Hill**

<http://stemnorth.nbed.nb.ca/science/page/stem-fair-project-documents>

Possible Projects/Builds...

Discover 2019...Entrepreneurs Market

1) Details to follow on how to register

***** Coming this Spring**

Possible Projects/Builds...

WEARABLE ELECTRONICS

- 1) Design electronic clothing with LED's that will respond to sensors for sound, temperature, touch and motion.
- 2) Neopixel Bracelets
- 3) Neopixel Resin Coffee Table

Possible Projects/Builds...

VINYL CUTTING & HEAT PRESS

- 1) Signs... Teacher, Graduates
- 2) Stencil vinyl & wood working
- 3) Custom clothing, hats & mugs
- 4) Full color printer vinyl on mugs
- 5) Silk screen... Anti-Bullying Day, School Spirit

*** NEW - Silk Screening



[ASC365 Simple UV Exposure Unit Introduction 006800.wmv ...](#)
www.youtube.com

This video shows you the operation video of ASC365 Simple UV Exposure Unit. This Exposure Unit is low cost but can also guarantee a better exposing effect, which will be your best choice. Email ...



[4 color 1 / 2 station silk screen printing t-shirt ...](#)
www.youtube.com

ASC365 4 color 1 / 2 station screen press can print onto clothing (especially for T-shirt), woven fabric, metal, paper, copybook, plastic, circuit board, wood, glass, ceramic tile, leather and ...

Possible Projects/Builds...

RETRO ARCADE

1) Develop our Retro Arcades...

- custom stickers, keyboard, games, sound

2) Minty Pi

Bartop Arcade...

<https://www.hackster.io/ericBcreator/raspberry-pi-bartop-arcade-cabinet-8e436c>

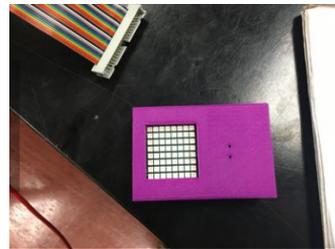


Possible Projects/Builds...

SENSORY GREENHOUSE

- 1) Raspberry Pi Weather Station
- 2) Arduino sensors for plants and equipment

Greenhouse Builds...



Possible Projects/Buils...

MICROCONTROLLERS

Makey Makey, Aduino, Flora, Micro:bits,
Circuit Playground and Raspberry Pi...

Other Project Ideas...

Just make sure we have equipment/materials to do it!



Attachments

Sumobot Rules.pdf