

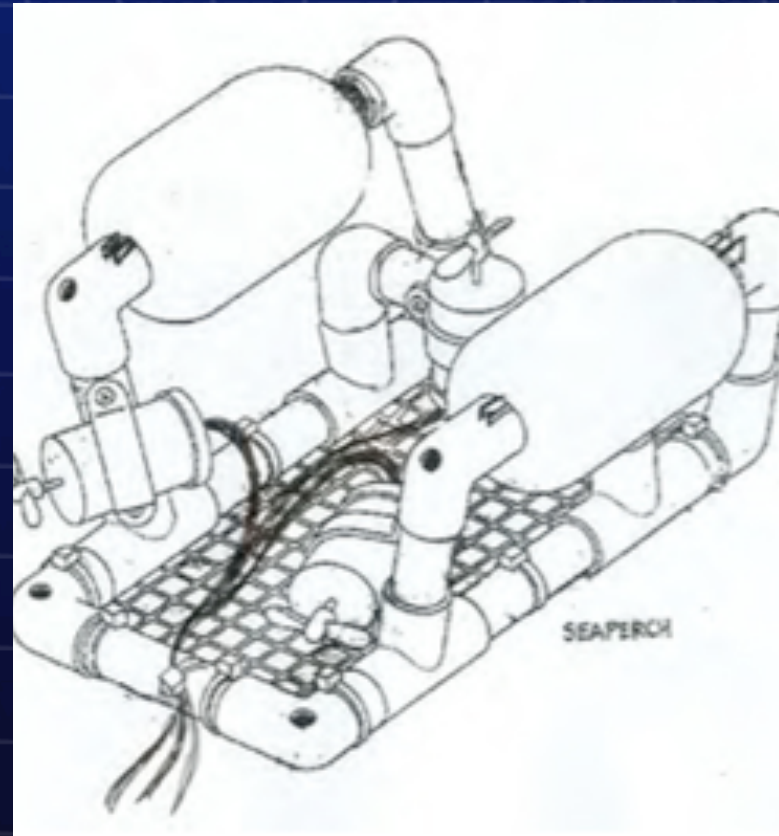
Seapearch

Build, Learn, Modify.

**By Xavier parker-Smith, Greylen Hurd, Kamilah Walker,
Timothy Jones.**

Overview

- 🌐 The SeaPerch is a simple ROV (remotely operated vehicle) made from PVC pipe, motors, and floats.
- 🌐 During this project we utilized a design process to create an ROV that meets this year's specific challenge(s).



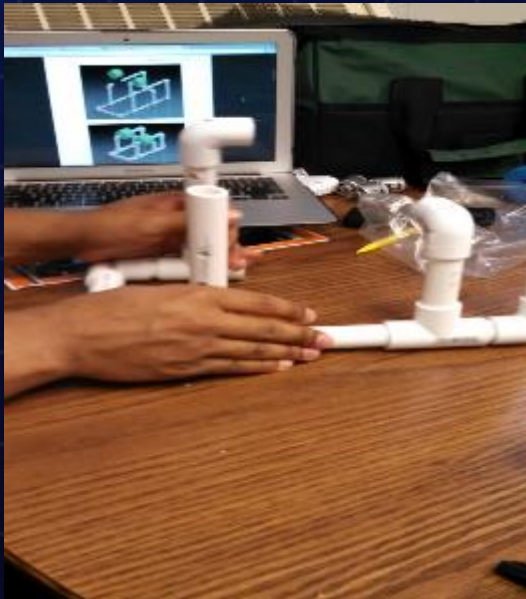
Process

- Mechanical
- Electrical
- Testing



Mechanical

- Drilling holes in PVC Pipes
- Connecting Propellers to motors
- Securing the Frame



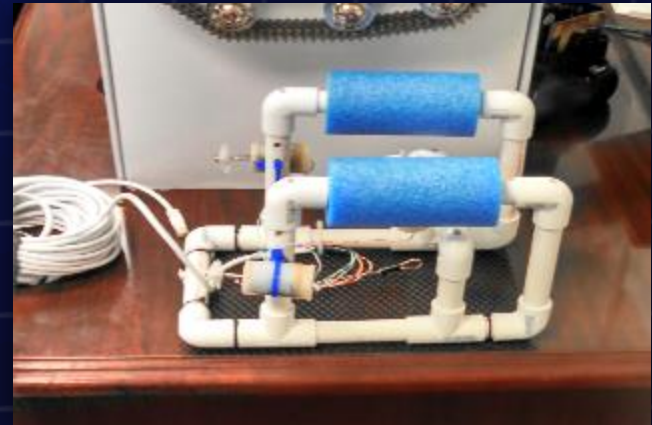
Electrical

- 🌐 Soldering circuit board controller
- Stripping Wires
- Waterproof motors
- Controller communicates with Cat-5 cable



Testing

- 🌐 Motors
- 🌐 Proto-type



Experiences

- 🌐 **Skills Acquired – Drilling, Soldering, Wire Stripping**
- 🌐 **Complications – Drilling Holes, Wires, Controller Broke, Frame (PVC Pipe)**

Conclusion

