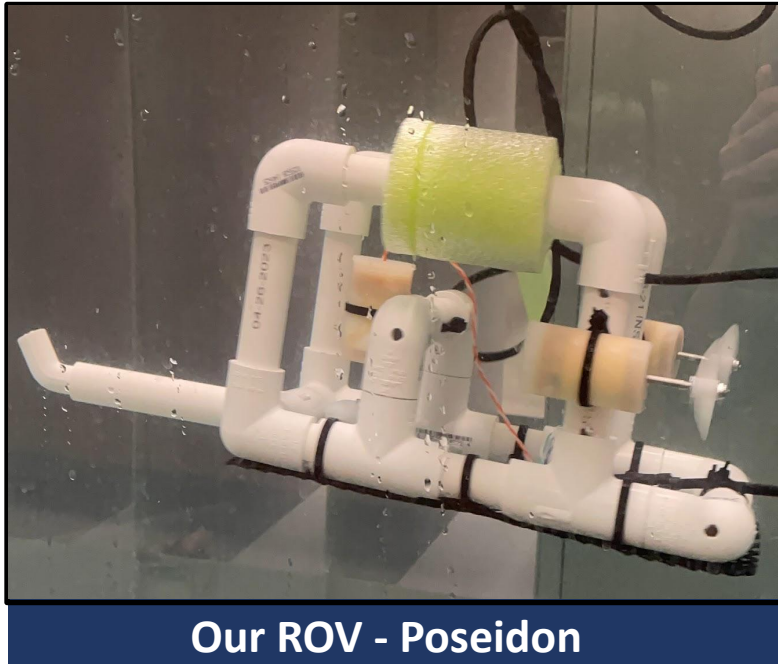


Team Atlantic

Henry James Memorial School, Simsbury, CT 06070 - Middle School Stock Class



- 1 Years participating in SeaPerch
- 1 Times at the International SeaPerch

Our SeaPerch is unique because: (100 words MAX)

Challenge
It is small and stable at the same time, allowing for control in both completing tasks, mainly picking up and moving objects, and moving through hoops in the obstacle course. Because we moved the vertical motor to the front of the ROV, there is an imbalance when going up or down, but one that can be advantageous.

SeaPerch Design Overview: (100 words MAX)

Our SeaPerch ROV is built to be compact, well-balanced, and easy to control. It utilizes two pool noodles that result in the ROV having slightly positive buoyancy. The front of the vehicle features an adjustable 3D-printed hook, which can be tilted to reduce the bulkiness of the ROV. The two propellers that control forwards movement are on the outside of the ROV, and the other propeller is facing downwards at the front, offsetting the weight of objects if necessary.

Our biggest takeaway this season is: (100 words MAX)

The importance of communication and being open to any and all ideas of improvement. Learning these skills was especially important when we divided work and discussed modifications. Because of this, our team was able to make our ROV improve effectively to the best of our ability.