

## Enforcers HS

EHT PAL | Egg Harbor Township New Jersey, USA

<https://www.ehtpal.org/>



## High School

### SeaPerch Design Overview:

Our ROV was designed to swim like a fish so its fast and maneuverable. The ROV was created from CPVC, PEX, Film Canisters, Sprinkler piping, metal wire, and 3D printed parts. The hook design was created to complete all parts of the challenge course. The hook was created with a “U” shaped design and a V cut into the center with wire mesh. We also had a unicorn looking hook above it for picking up the temperature connector. We also created adjustable noncompressible flotation out of film canisters.

- 11 Years participating in SeaPerch
- 9 Times at the International SeaPerch

### Challenge Our SeaPerch is unique because:

Our Sea Perch is unique because of its frame design. We designed our ROV to swim like a fish so it can complete the obstacle course faster and be more maneuverable for the challenge course. Another unique feature about our SeaPerch is our Uppy/Downy (vertical motor) placement. We put it as far forwards as possible so we have more pitch for maneuverability.

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

Our Biggest takeaways from this season was learning how use time management when doing things. At the beginning of the season we would often spend too much time working on one part of the ROV or designing something when we had to complete another part of it to be able to practice the next meeting. As the season went on we got a lot better at that and more efficient at getting stuff done.