

Sea Cougars

Springfield High School, Springfield, PA



- 14 Years participating in SeaPerch
- 2 Times at the International SeaPerch Challenge

Our SeaPerch is unique because: (100 words MAX)

We have 3D modeled and printed special motor case holders. These were 3D printed to replace the traditional film canister and zip ties to attach the motor. This increased our ROV's aesthetics, function and maneuverability. We also have inserted several hooks around the edges of the craft for the ability to pick the challenge's obstacles with ease.

SeaPerch Design Overview: (100 words MAX)

This year's ROV was designed carefully considering the results of past competitions, this year's unique requirements and mission. Through the application of the engineering design process, we created 3-D models of possible crafts. We then narrowed down the options to the final design which we then built out of Polyvinyl Chloride (PVC) pipes, 3D printed motor casing and metal hooks.

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

Our biggest takeaway this season is check all measurements and requirements multiple times. If you think you are sure of something, check again or have someone else confirm. With difficulties at our regional competition, we persevered and placed for the opportunity to compete at internationals. Just keep trying. "Fail often in order to succeed sooner"