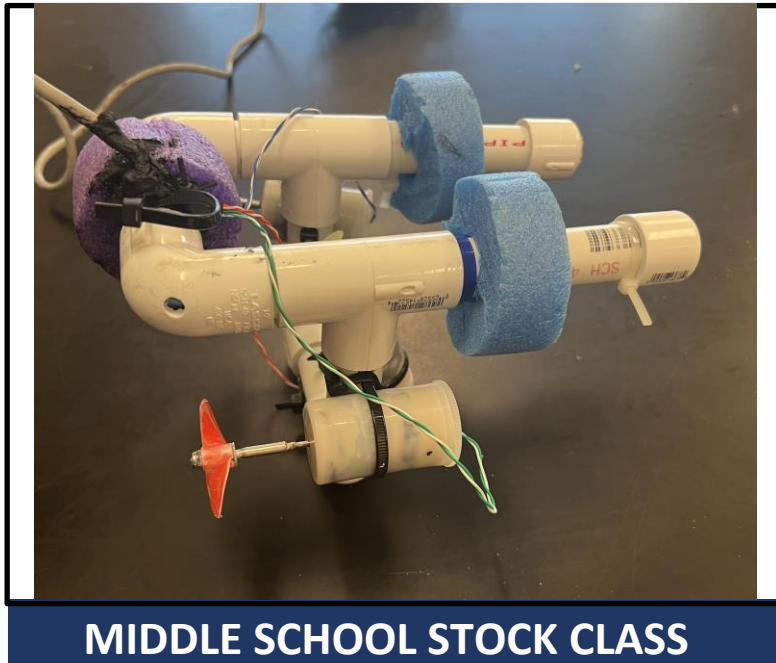


Diggs Lionfish

William A. Diggs Elementary School, Waldorf, MD, USA



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

Our SeaPerch is unique because: (100 words MAX)

Our SeaPerch design is unique because it has a small size. The smaller design allows it to travel faster through the obstacle course. We adjusted using the Engineering Design Process. Constantly improving our design was important for our success. Our seaperch is unique because it reflects our competitiveness, it doesn't want to lose. When we first started our seaperch was wide and tall, the slim design gives it the agility to go through the obstacle course. Lionfish are top predators in coral reefs that move with strategic motions, just like our seaperch.

SeaPerch Design Overview: (100 words MAX)

We designed our seaperch using the engineering design process. We started with the seaperch design from the seaperch manual. After testing our design in the pool, we made improvements to the seaperch. We went with a smaller design. The final length is 8 1/2 inches long, 5 1/2 inches high, and 5 inches wide. The smaller design allows the motors to push through the water easily. The buoyancy was adjusted with each change we made. The final design was agile enough to go through the courses easily.

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

Our biggest takeaway this year was that practice makes perfect. Constantly trying to improve will not only allow us to design and build a better seaperch, but practicing driving will help us improve. Working as a team we learned that hard work pays off. If you don't give up, you are capable of anything. Lionfish, our seaperch, is always getting better. This year we learned a lot of new skills like soldering and cutting pvc pipes. Learning new things helped us get better.