



Meet The Team: *Mermaid Men*

Team Bio:

The Mermaid Men is one of two dedicated and hardworking teams representing the Academy of Health Science Professions & STEM in La Joya, Texas. With our eldest members who have had a history of three years participating in regional SeaPerch competitions, we are thrilled to take part in an international SeaPerch challenge. With our team having a diverse range of talented members, spanning from freshmen to seniors in high school.

Team Logo:

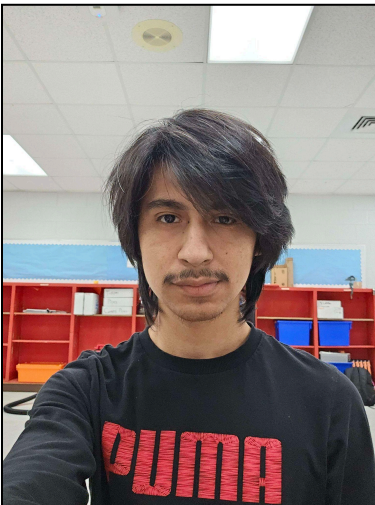


Team Members:

Ignacio Villarreal (ROV Designer and Builder)



Luis Lozoya (Team Manager)



Cesar Nava (Wiring and Assistant Builder)



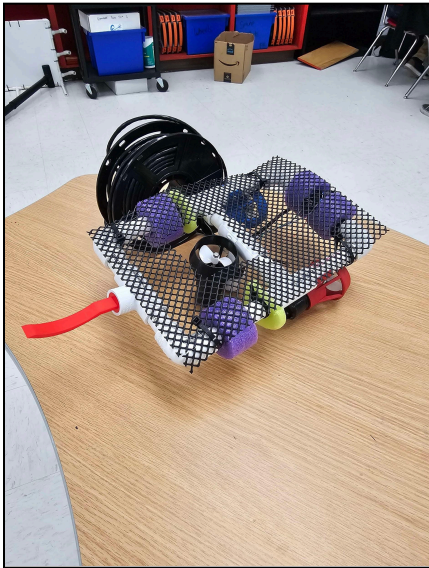
Ariel Castillo (Wiring and Assistant Builder)



Enrique Solis (Builder and Diver)



Our ROV (ROV)





Competition Class:

Our competition rank is the High School Stock Class.

Overview of Design:

We opted for a streamlined design to prioritize maneuverability in water and simplicity. Our main feature is the specially designed Kort nozzle to aid with propulsion underwater. The propeller is lightweight and low cost, making it perfect for this SeaPerch competition.

Years of Participation in Seaperch:

For the past 3 years, both Academy of Health Science & Stem teams have been competing in SeaPerch. We've improved our work and design over the years gaining knowledge and experience in which we have used in our time.

Years of Participation in Internationals:

This is the first time that the Academy of Health Science team has qualified for the International Seaperch Competition, and we're excited to go to Maryland!

Our Seaperch is unique because...

What makes the Mermaid Men's journey to the International SeaPerch Challenge unique is our team's awesome journey. Despite being newcomers to internationals, we have shown incredible skill in the regional competitions. Our success highlights the effectiveness of our team's collaborative strength. Additionally, our team's diverse members and talents have contributed to our success, setting us apart from other competitors. This opportunity to compete internationally is a testament to our team's potential and underscores the exciting future ahead for the Mermaid Men.



Our Biggest Takeaway This Year is

The importance of teamwork in the SeaPerch (Or any other Robotics Competition) is immense. Dividing work between each other will yield incredible results. This restless approach is how we have qualified for the international competition. Any time we work on anything SeaPerch related, we remember the wise words that our teacher, Mr. Ebrahim gave us: Divide and Conquer.

Our careful approach to constructing our ROV allowed us to place several features that will hopefully aid in our advancement. Tinkering on designs like the Kort nozzle and PVC parts taught us so much about design, and we feel more prepared than ever before.