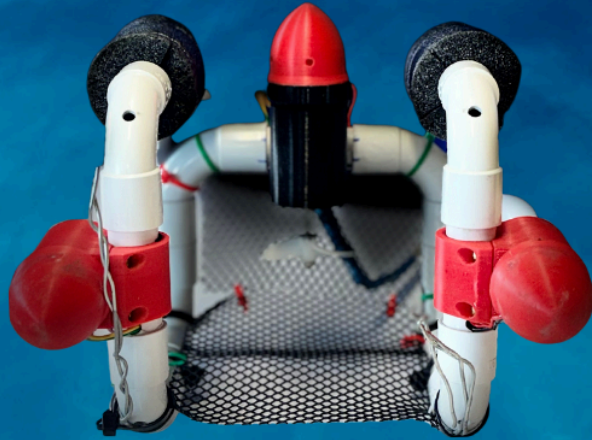


BLUE MAGIC

ROTORUA
PRIMARY 2024



3 Years participating in Seaperch 2nd Year at International Seaperch Challenge

Our Seaperch is unique because firstly the structure of our frame is 'G' shaped, made out of PVC pipe, it is petite and light. Being smaller and lighter helps with speed and movement and agility. It also has 3D printed motor casings for extra protection the casings are coloured red to stop light refraction and to make it more visible while the ROV is moving under water.

SeaPerch Design Overview

Our Aquabots design is a compact and agile device built from standard PVC pipe components available in our kit. It incorporates straightforward attachments like mesh netting for object retrieval and malleable wire for grasping items. The small size enhances agility and speed, ensuring a stable platform to perform various underwater tasks. Our goal is to create an efficient Aquabot capable of completing a range of aquatic missions. This design's simplicity and versatility make it an ideal choice for a variety of underwater applications, enabling us to explore and solve challenges beneath the surface with confidence and precision.

Our Biggest Takeaway this year is not only comprehending that we have the potential to compete at an international level but also realising the importance of working together as a team. Being grateful for each team member's contribution and valuing individual skills and strengths has been rewarding especially when we come together as a team. Being open with good communication and focus has helped us to gel well. We have produced a practical, durable ROV that looks great too.