Fact Sheet

Team name: Narwhals

Organization: Highland Prep Surprise High School
Location: Surprise Arizona
Competition Class: High School stock class.

Overview of SeaPerch design: Our robot was designed to speedily traverse through the obstacle course with two motors in the back for maximum acceleration. The top motor is also angled to allow better maneuvering through the rings, allowing upward vectoring when needed. The claw was designed with stocks on the outside to quickly nab anything that may not be easily accessible head-on. The tips are also painted neon yellow for enhanced underwater visibility. Cosmetically, the robot is painted to resemble a Roast Beef Sandwich from Arby’s, a color scheme that contrasts vibrantly against the blue pools. This improves clarity for the driver as they can make out the ROV easier while underwater.

Number of years in SeaPerch program: 2 years.
Number of times in the National SeaPerch competition: 1 year.
Our SeaPerch is unique because it is able to efficiently traverse the obstacle course and complete a multitude of tasks in the mission course with a relatively simple design.
Our biggest takeaway this season is that practice and effective teamwork makes perfect.