

WHIRLPOOL ROBOTICS
presents:

The OCTO-1

Eight motors. Zero limits. One ROV.



Hackley School Whirlpool Robotics Team

MEET THE TEAM

- **Mateo Arencibia (12th)**
 - 3rd year competing
 - CEO/Head Engineer
- **Ethan Tseng (12th)**
 - 3rd year competing
 - CFO/Prop Building
- **Ace Perez (11th)**
 - 2nd year competing
 - Pilot/Mechanical Engineer
- **Hilah Shklarski (10th)**
 - 2nd year competing
 - Lead Programmer/Engineer
- **Edmund Rose (10th)**
 - 2nd year competing
 - Lead 3D Designer
- **Patrick Flores (10th)**
 - 2nd year competing
 - Mechanical Engineer
- **Kayla Reardon (10th)**
 - 2nd year competing
 - Lead A.I. Engineer
- **Lucas Sosa (10th)**
 - 2nd year competing
 - Float Engineer
- **Rohan Monday (9th)**
 - 1st year competing
 - Programmer
- **Asher Dundas (9th)**
 - 1st year competing
 - Float Engineer
- **Chizara Nnamdi (9th)**
 - 1st year competing
 - Electrical Engineer
- **Tyler Copeland (9th)**
 - 1st year competing
 - Community Outreach/Prop Building
- **Emma Markowitz (9th)**
 - 1st year competing
 - 3D Designer

SPECS

- **Cost:** \$3252 total (\$797 new, \$2455 used)
- **Dimensions:** 50cm x 50cm x 30cm
- **Weight:** 7.2kg
- **Total hours worked:** 1295
- **Safety Features:**
 - Custom motor shrouds (IP20 rated)
 - Anderson PowerPoles
 - Warning labels
 - Tether strain relief
 - 25-amp fuse
 - Organized wiring
- **Special Features:**
 - Ultrasonic length measurement
 - Custom rotating claw
 - Onboard electronic system
 - Xbox controller
 - Dual camera setup
 - 30° horizontal motor configuration



Located Tarrytown, NY, USA
202 km from Villanova University
Instagram handle: @hackley_robotics
11th Year Competing in MATE

Photo credit: Zara Nnamdi