

# Hackley School Whirlpool Robotics Team Ranger Team



Members left to right: Kayla Lucas, Edmund, Hilah, Ace, Ryan, Osiris, Mateo. Credit: Melissa Boviero

Located Tarrytown, NY, USA  
900 km from 2025 Worlds, Alpena  
Instagram handle: @hackley\_robotics  
9th Year Competing in MATE



ROV photo credit: Patrick Flores and Lucas Sosa

## Meet the Team

- Mateo Arencibia (11th)
  - Second year competing
  - CEO/ Head Engineer
- Lucas Sosa (9th)
  - First year competing
  - Float Engineer
- Patrick Flores (9th)
  - First year competing
  - Mechanical Engineer
- Edmund Rose (9th)
  - First year competing
  - Lead 3D Design & Claw
- Kayla Reardon (9th)
  - First year competing
  - Electrical Engineer
- Hilah Shklarski (9th)
  - First year competing
  - Lead Electrical Engineer
- Alberto "Ace" Perez (10th)
  - First year competing
  - Documentarian
- Ryan Carpenito (12th)
  - Second year competing
  - Mechanical Engineer
- Osiris Stand (12th)
  - Second year competing
  - Float Engineer



## OCTO the ROV: Eight Motors, Zero Limits

- Cost: \$3177 total (\$322 new, \$2855 used)
- Dimensions: 45.5cm X 45.5cm X 13cm
- 6.8 kg
- 710 collective hours including team and individual work
- Safety Features:
  - Custom Motor Shrouds
  - Anderson Powerpoles
  - Claw Pressure Sensors
- Other Special features:
  - Onboard electronic system
  - Xbox Controller
  - Dual camera setup
  - 30° horizontal motor configuration

# Hackley School Whirlpool Robotics Team Ranger Team



## Meet the Team

Members left to right: Kayla, Lucas, Edmund, Hilah, Ace, Ryan, Osiris, Mateo. Credit: Melissa Boviero

ROV photo credit: Patrick Flores and Lucas Sosa

- Mateo Arencibia (11th)
  - Second year competing
  - CEO/ Head Engineer
- Lucas Sosa (9th)
  - First year competing
  - Float Engineer
- Patrick Flores (9th)
  - First year competing
  - Mechanical Engineer
- Edmund Rose (9th)
  - First year competing
  - Lead 3D Design
- Kayla Reardon (9th)
  - First year competing
  - Electrical Engineer
- Hilah Shklarski (9th)
  - First year competing
  - Lead Electrical Engineer
- Alberto "Ace" Perez (10th)
  - First year competing
  - Documentarian
- Ryan Carpenito (12th)
  - Second year competing
  - Mechanical Engineer
- Osiris Stand (12th)
  - Second year competing
  - Float Engineer

## The OCTO: Eight Motors, Zero Limits

- Cost: \$3177 total (\$322 new, \$2855 used)
- Dimensions: 45.5cm X 45.5cm X 13cm
- 6.8 kg
- 710 collective hours including team and individual work
- Safety Features:
  - Motor Shrouds
  - Anderson Powerpoles
  - Claw Pressure Sensors
- Other Special features:
  - Onboard electronic system
  - Xbox Controller
  - Dual camera setup
  - 30° horizontal motor configuration

Located Tarrytown, NY, USA  
131 miles from PA Regional, Villanova  
Instagram handle: @hackley\_robotics