

Otter 1

Cyclone Robotics

Team Members



Members from left to right:

- Anna Blackwell Gr. 12, Co-Captain, Design+Fabrication, 3rd year
- Madison Hardin Gr. 12, Community Outreach, 1st year
- Xander Jones Gr. 12, Co-Captain, Pilot, Mechanic, 3rd year
- David Roland Gr. 12, Prop Manager, 2nd year
- Ryan Darnell Gr. 11, Photographer, 1st year
- Nathan Edwards Gr. 11, Safety Manager, 3rd year
- Colby Mitchell Gr. 11, Prop team, Safety Assistant, 2nd year
- Lucas Gillenwater Gr. 11, Programmer, Mechanic, 3rd year
- Gavin Rodeback Gr. 11, Prop team, JSEA, 1st year
- Chloe Satham Gr. 11, Prop team, 2nd year
- Elodie Neal Gr. 10, Programmer, Mechanic, 1st year
- Abigail Watson Gr. 10, Documentation+Design, 1st year
- Joshua Asche Gr. 10, Safety Manager, 2nd year
- Logan Miller Gr. 10, Prop Manager, 1st year
- Bela Blackwell Gr. 10, Community Outreach, 1st year

Not Pictured:

- Madelyn Stanberry Gr. 12, Documentation+Design, 1st year
- Holly Hosclaw Gr. 11, Safety Manager, 2nd year



Company Information

Company Name: Cyclone Robotics
School: Elizabethton High School
Location: Elizabethton Tennessee, USA
Distance Travelled: 3,672.5 km
History of MATE: returning for third year; first World qualification
Years competed: 2024, 2025, 2026
Division: Ranger

ROV Information

Name: Otter 1
Total Cost: \$3,061.32
Size: 48.2 cm x 48.2 cm x 30.5 cm
Weight: 5.57 Kg
Total Student Hours: 750+

- Features:**
- Blue Robotics Claw
 - T200 Thrusters x6
 - DeepWater exploration Cameras x3
 - Custom 3D printed claw extensions
 - Custom 3D printed magnet holder
 - Custom 3D printed measuring tape holder

Safety Measures

- Thruster Shroud
- Waterproofing for all electrical boxes
- Safety training for all members
- Safety fuse (25 amps)
- Emergency power off switch
- Voltage monitoring
- Cable management