



SeaCow Robotics

Lanier High School

918 Buford Hwy

Buford, GA, USA, 30518

DISTANCE TRAVELED: 400 km - Buford GA → Kingsport TN

COMPANY HISTORY: Founded: 2020, Regional Engineering Award: 2021, World Championship Qualification: 2022 & 2023

COMPANY MEMBERS: 9th-12th Grade

orange name indicates a returning member/mentor

Makenna Reilly: Founder, Project Supervisor

Violet Brockmann: CEO, CFO, Lead Manufacturer

Sarah Redstrom: Lead Mechanical Engineer, Lead Tether Manager

Camila Crespo: Lead Electrical Engineer, Asst. Tether Manager

Sophia Clingan: Mechanical Engineer, Pilot

Estrella Lozano: Lead Programmer, Lead Profiling Float Technician, Safety Officer

Ava Farrell: Mechanical Engineer, Copilot

Anjika Shah: Lead Prop Technician, Profiling Float Technician

Michael Reilly: Mentor



From left to right:

Makenna (12), Anjika (9), Violet (10), Ava (12), Sarah (11), Camila (10), Estrella (9), Sophia (9)

ROV SPECIFICATIONS

ROV NAME: Moo Shoo

ROV COST: ~\$3,435

WEIGHT: 14.84 kg (including tools)

SIZE: 61cm x 39.12 cm x 28.62 cm

TOTAL STUDENT HOURS: 1,500+

SAFETY FEATURES: topside control box acrylic cover, single shutoff switch, thruster guards, pressure relief valve, pressure regulator

SPECIAL FEATURES: pitching camera, pneumatic claw, vectored thrusters, side-mounted manipulators, 5 digital cameras

