



Siku



Shark Tech - Labrador Straits Academy
L'Anse au Loup, NL - Distance to World Championship: 1000km

Specs	Special Features	Safety Features
Height: 27 cm	Custom 3d printed components	Strain reliefs on both ends of the tether
Width: 38 cm	15 m buoyant tether	25A fuse within 30 cm of the main power supply
Length: 43 cm	User-friendly control system	Detailed Safety Procedures
Weight: 8 kg	Advanced pneumatic System	Shrouded thrusters to meet IP20 Standards
Total Cost: \$5000 CAD	Repurposed fishing cameras	Caution labels on all dangerous parts
Build Time: 1500 hrs	Simplistic hydrodynamic design	Rounded edges



Figure 1: Siku ROV Photo by Olivia Normore

Company Information

Name	Role	Grade	Career Goals
Marcus Flynn	CEO	12	Marine Biologist
Yashveen Gunput	CFO	11	Mechanical Engineer
James Penney	Pilot	12	Captain/Skipper
Olivia Normore	Operations Manager	11	Critical Care Paramedic
Madison Cabot	Technical Writer	10	Radiologist
Maria Barney	R&D Technician	10	Vet
Belle Gibbons	Marketing Manager	11	Nurse Practitioner
Jerry Cabot	Computer Engineer	12	Game Designer

Additional Company Information

- This is our fourth year competing in the MATE ROV Competition
- Placed 12th at the 2023 MATE ROV World Championship, 18th at the 2024 World Championship, and 12th at the 2025 World Championship
- Winner of the best technical documentation in the Ranger class at the 2025 World Championship.
- Our students' grades range from grades 10 to 12.



Figure 2: Shark Tech (L-R) Maria, Madison, Belle, Olivia, James, Marcus, Yashveen, Jerry, Ms. Burden (Missing: Mr. Regular)