



Bonabot

St. Mark's Robotics – St. Mark's School
King's Cove, NL

Distance to World Championship – 266 km



Crew Members (L-R):



Kimmie Long (Gr. 10), R & D Technician, Lawyer

Grace Newell (Gr. 9), Safety officer, Coast Guard

Jacinda Elson (Gr. 9), Lead Engineer, Naval Officer

Olivia Taylor (Gr.11), Pilot, Archaeologist

Reid Pittman (Gr.10), Media outreach, Marine Biologist

Faith Aylward (Gr. 11), Co-pilot, Elementary Teacher

Company Information:

Company Name: St. Mark's Robotics

School: St. Mark's School

Location: King's Cove, Newfoundland, Canada

History of MATE competition:

Years Competed:

2011-2025

Division: Scout

2026

Division: Ranger

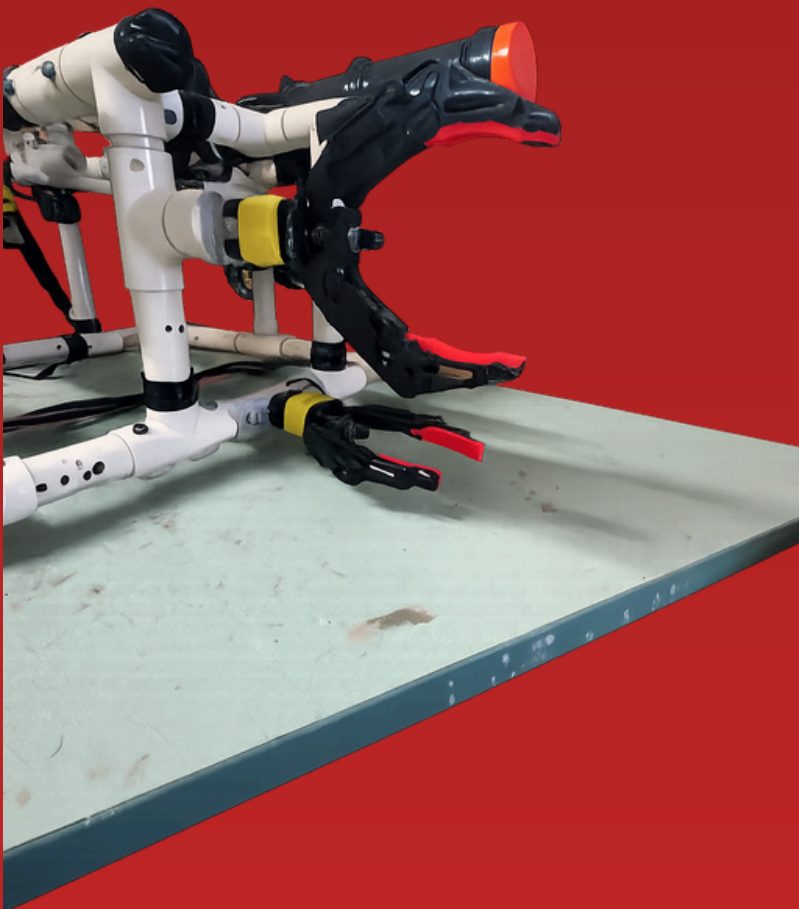


Figure 2: Bonabot's claw,
Photo by Kimmie

ROV Name: Bonabot

Total Cost: \$4050.00

Frame Height: 9cm

Total Height: 49cm

Length: 38.5cm

Width: 36.4cm

Weight: 6.20kg

Total Student Hours: 800+



Figure 1: Bonabot, Photo by Faith

Safety Features:

Strain relief on the tether

15A fuse within 30 cm of the main
power supply

Detailed Safety Procedures

Shrouded thrusters to meet IP20
Standards

Caution labels

Rounded edges

Special Features:

Bird's Eye View placed camera

Simple user-friendly control system

Grippers positioned both horizontally and
vertically