



# Future Gadget Lab Spec Sheet

*Sidwell Friends School*

## Company Specs

**Home:** Washington D.C.

**Distance Traveled to Regional Competition:** 222 km

**History competing in MATE:**

Our company was formed in January 2024, making this competition our second year competing in MATE. We competed in the Pennsylvania Regional in our previous competition as well, in which we qualified for nationals.

**Range of grades:** Future Gadget Lab has one 9th grade and eight 12th grade high school students, giving an age range of 15-18.



Pictured above is our team. In order from left to right, top to bottom: Deanna Paukstis (COO), Ilaria Luna (Head Engineer), Gabriel Abrams (CEO), Anton Chen (CFO), Chase Brown (CTO), Wilson Cai (VP of Reliability), Amar Johnson (Driver), Reave Tekmen (VP of Safety), Leo Schuck (VP of Marketing)

## ROV Specs

**ROV name:** Mako

**Total money spent constructing ROV:** \$703.84

**ROV price:** \$2999.99

**Size and weight:** 71.12cm x 44.4 cm x 24.1 cm, 13.6 kg.

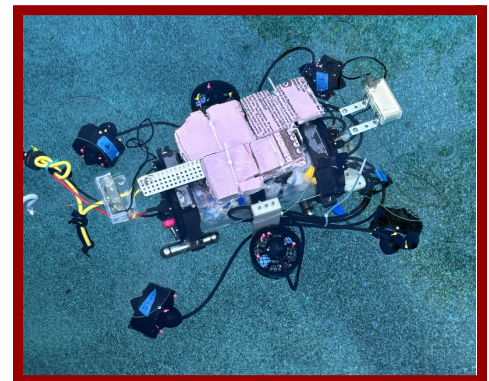
**Total student hours to design and build:** 160 hours

**Safety features:**

- Shrouds surrounding propellers
- Strain relief on ROV and control box for tether
- Spool for tether
- 25A fuse

**Special Features:**

- Acrylic frame
- Newton Subsea Gripper
- Three cameras for vision, including a rear-facing camera



A picture of Mako operating in a pool.