

# Company Spec Sheet

## Company Info

Company name: Riptide

School: Korowa Anglican Girl's School

State/Country: Victoria, Australia

Distance Traveled: 15,953 km

Company History: First year participant



## Team Members

**Grace Lu:** CEO, Structure | 10th

**Kanisha Raju:** CTO, Electrical | 10th

**Evie Fitzgerald:** Structure, CMO | 10th

**Joyce Lin:** Software, Structure | 10th

**Chloe Fung:** Sensor | 10th

**Claire Jiang:** Sensor | 10th

**Cissy Huang:** Manager (FLOAT) | 11th

**Sissi Weng:** Programming (FLOAT) | 10th

**Cassie Kong:** Electrical (FLOAT) | 11th

**Weiman Xu:** Graphic, Electrical | 10th

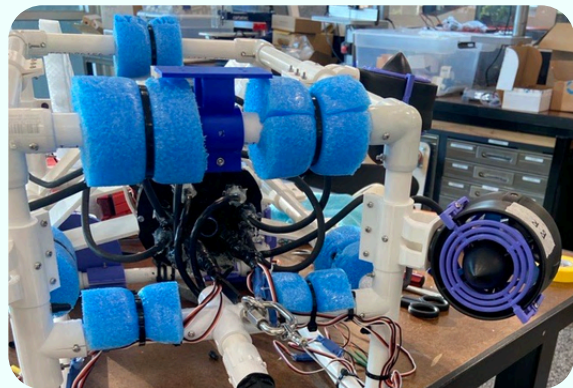
**Angel Li:** Electrical, Structure | 10th

### Internal Mentors:

**Mr Andrew Murray:** Project Management

**Mr Pramana Tedjoswoyo:** Programming Mentor

**Mr Michael Key:** Engineering Mentor



ROV Name: Blueie

Total Cost: \$5668

Dimensions:

- 60x32x80 cm (including thrusters and manipulator arm)
- 30x30x45 cm (frame only)

Weight: 8kg

Total Time Spent: 66hrs

### Special Features:

- Two 3D-printed recyclable arms with interchangeable task specific attachments, controlled by microcontrollers for sensor integration and logic.
- Modular frame design allows for easy assembly and quick component swapping.

### Safety Features:

- Frames and arms are all made of recyclable materials, being safe for the environment
- Motor shields were created to prevent object and debris from getting caught in the thrusters.

