

# PHOENIX ROBOTICS

**Company:** Phoenix Robotics

**Headquarters:** Tampa, Florida, USA

**School:** Brooks DeBartolo Collegiate High School

**Distance Traveled to Competition:** 2,249.7 km

**Previous MATE Participation:** Returning participants (newcomers indicated with an asterisk on roster)

## ROV Name: Phoenix Ocean Explorer (POE)

**Total cost to construct ROV:**

2,950 USD

**Weight:** 10.86 kg

**Length:** 86.4 cm

**Width:** 53.3 cm

**Height:** 38.7 cm

**Total student hours to design and construct:**

2,365 man-hours; approximately

236.5 hours per member

**Safety features:**

- Rounded edges
- Handles
- IP20 Shrouds
- Kill switch
- Mate 25 amp fuse

**Unique Features:**

- Dual camera system
- Two Claw System
- Variable Buoyancy System
- Fish Net



**Back row, left to right:**

**Eric Fernandez:** *Mentor*

**Roderick Forbes:** *Tether Manager, 9th\**

**Austen DuFault :** *Profiler Specialist, 12th*

**Kristofer Gajadharsingh:** *Chief Marketing Officer, 11th*

**Gavin Udagawa:** *Chief Analysis Officer, 12th*

**Bryce Phuphanich:** *Chief Technical Officer, 12th*

**Carson Stein:** *Chief Safety Officer and Design Specialist, 12th*

**Front row, left to right:**

**Gavin Quijano:** *Chief Operations Officer 12th*

**Julia Russo:** *Assistant Documentation Specialist, 11th\**

**Anthony Lozano:** *Profiler Specialist, 9th\**

**Xia Collier:** *Chief Executive Officer, 12th*

**Jayden Roche:** *Props Specialist, 11th\**

