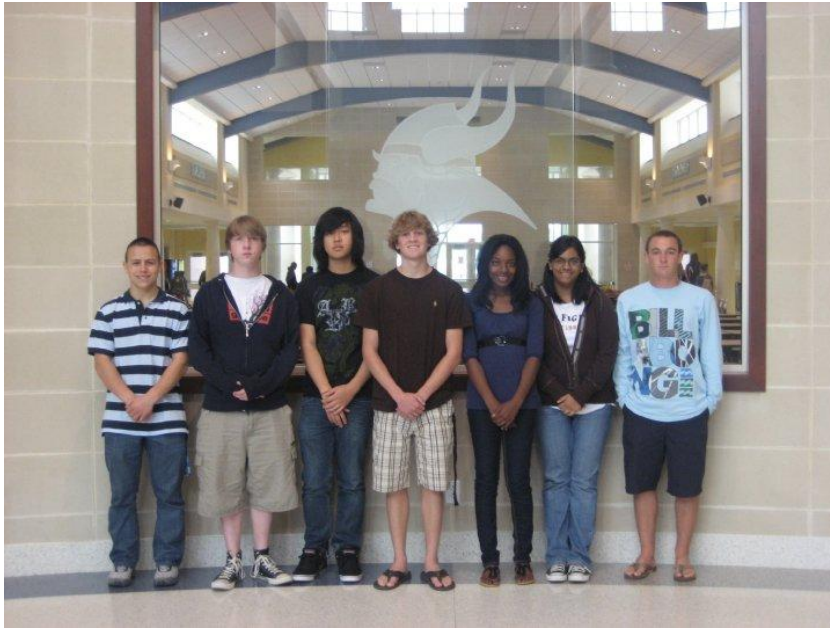


Team Spec Sheet

- **School name:** Cape Henlopen High School
- **Home state:** Delaware
- **Distance traveled:** We are traveling about 7750 km from Delaware to Hawaii
- **First time ROV?:** This is not our school's first time in ROV. We have been competing since 2006. In 2007 our school went to the international competition in Canada. Six of the seven team members are new to the ROV program, Chris Hubley is the member who has participated in ROV in the past.
- **Grade Range:** We have five 11th graders, and two 12th graders.



Names from left to right:

Joe Esposito (Team Captain)

Chris Hubley (Engineering Supervisor)

Paul Jang (Tether Operator)

Kyle Joseph (Technical Analyst)

Tanya Munyikwa (Spokesperson)

Jasmin Patel (Finance Analyst)

Andrew Ricker (Co-Captain)

All team members are planning on going to the international competition.

ROV Spec Sheet

- **Total Cost:** \$1348.56
- **Primary materials:** We primarily used PVC piping to create the framing of the ROV.
- **Dimensions:** 95 cm (Length) X 64 cm (width) x 33 cm (height)
- **Total weight:** 88.75 kg
- **Safety Features:** We have wire cages around the propellers to prevent people from getting injured when the motors are engaged. We have safety labels near the motors and electrical hazards to warn people of the dangers. We also have a 30 amp fuse to regulate the power flow and to prevent shortages.
- **Special Features:** The ROV has a hydrophone mounted on the front of the robot to detect sounds underwater. There is also a temperature probe mounted on the front to record the temperatures of the vents.

