

Palos Verdes High School
Palos Verdes Estates, California, USA
Distance to Long Beach City College, CA: 32.51 KM.



Palos Verdes Institute of Technology

History of MATE ROV Competition Participation

2017: 1st Place Southern California Fly Off, Ranger
2016: 4th Place International Mate Completion, Ranger
2016: 1st Place Southern California Fly Off, Ranger
2015: 3rd Place International MATE Competition; 1st Place Mission Scores, Ranger
2015: 1st Place Southern California Fly Off, Ranger
2014: 5th Place International MATE Competition, Ranger
2014: 1st Place Southern California Fly Off, Ranger
2013: 2nd Place Southern California Fly Off, Ranger
2012: 2nd Place International MATE Competition, Ranger
2012: 1st Place Southern California Fly Off, Ranger
2011 Harry Bohm and Jill Zande Sharkpedo Award, Ranger
2011: 21st Place International MATE Competition, Ranger
2011: 1st Place Southern California Fly Off, Ranger
2010: 2nd Place Southern California Fly Off, Ranger

Nemesis

ROV Value: \$2890

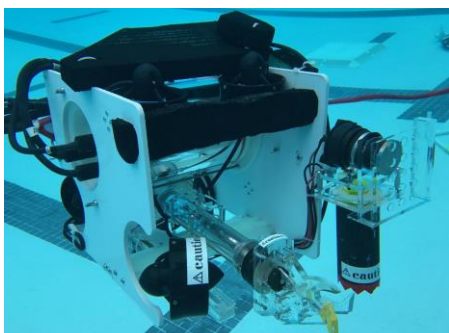
Total Student Hours: 1450

Primary Materials: Polypropylene, Acrylic, Delrin™

Dimensions: Height-38 cm; Length-59 cm; Width-37 cm **Weight:** 10.2 kg

Safety Features: 25 Amp Fuse, O-Ring Seal, Propeller Guards, Sharp Objects Protected, Slight Positive Buoyancy.

Special Features: Vectored Blue Robotics Thrusters, High Definition Video Cameras, Linear Actuated Claw, High Impact Sediment Sampler



Nemesis

Photo: Nicolas Kalem



Top Row (L→R): Matthew Smalling, Jeffery Haag, Joseph Arriola, Daniel Arriola, Nicolas Kalem, Ted Zhang, Erin Magid
Bottom Row (L→R): Erik Vaughn, Brian Hom, Garrett Smith, Laura Gong, Brian Smalling, Jordan Ewald, Frankie Moore, Blake Carpenter, Josh Magid

2017 Ranger Team Organization

Joshua Magid: President, 4th year, Class of 2017
Brian Smalling: Chief Executive Officer, Pilot, 3rd year, Class of 2018
Jordan Ewald: Chief Engineer, 2nd year, Class of 2018
Garrett Smith: Mechanical Engineer, 2nd year, Class of 2018
Jeffery Haag: Research and Development, 2nd year, Class of 2018
Joseph Arriola: Mission Specialist, 2nd year, Class of 2018
Nicolas Kalem: Chief Safety Officer, Regulatory Affairs, 2nd year, Class of 2019
Erik Vaughn: Electrical Engineer, 2nd year, Class of 2019
Brian Hom, Mechanical Engineer, 1st year, Class of 2018
Laura Gong: Chief Financial Officer, 1st year, Class of 2019
Ted Zhang: Programmer, Control systems, 1st year, Class of 2019
Blake Carpenter: Mechanical Engineer, 1st year, Class of 2020
Matthew Smalling: Design Engineer, 1st year, Class of 2020
Frankie Moore: Outreach Liaison, Mechanical Engineer, 1st year, Class of 2020
Erin Magid: Electrical Engineer, 1st year Class of 2020
Daniel Arriola: Mechanical Engineer, 1st year Class of 2020