Palos Verdes High School (PVIT)

History of MATE ROV Competition Participation
2023: 1st Place Southern California Fly Off, Ranger
2022: 7th Place International MATE Comp, Ranger
2022: 1st Place Southern California Fly Off, Ranger
2021: 4th Place International MATE Comp, Ranger
2019: 2nd Place Southern California Fly Off, Ranger
2018: 2nd Place Southern California Fly Off, Ranger
2017: 5th Place International MATE Comp, Ranger
2017: 1st Place Southern California Fly Off, Ranger
2016: 4th Place International MATE Comp, 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 Comp, Ranger
2014: 1st Place Southern California Fly Off, Ranger
2013: 2nd Place Southern California Fly Off, Ranger
2012: 2nd Place International MATE Comp, Ranger
2012: 1st Place Southern California Fly Off, Ranger
2011: Harry Bohm and Jill Zande Sharkpedo Award
2010: 2nd Place Southern California Fly Off, Ranger

ROV Value: $5120; 2023 Spending: $3600
Total Student Hours: 1200
Primary Materials: Polypropylene, Acrylic, PVC, Epoxy
Dimensions: Height-42 cm; Length-54 cm; Width 48 cm
Weight: 10.4 kg
Safety Features: 25 Amp Fuse, O-Ring Seal, Propeller Guards, Sharp Objects Protected, Gasket
Special Features: Arduino and Raspberry Pi Microprocessor, Blue Robotics T200 Thrusters, high-definition video, dual-positioned manipulator

2023 PVIT ROV Company Photo: Braden Colli
Front, L→R: Andrew Moore, Annalia Henderson, Allison Yu, Cynthia Ho, Jenna Chow, Kharianna Gracie, Riko Negishi, Ruka Ito, Zachary Rapoport, Eto Uchiyama, Lisa Lininger
Back, L→R: Azalea Lurie, Benjamin Peters, Connor Byrne, Claudia Goldsworthy, Trevor Jones, Henry Argentieri, Skylor Sun, Payson Cai, Gavin Montgomery, Stuart Canario, Timothy Keroles

2023 Ranger Team Organization
Jenna Chow ’23: President, 4th year
Andrew Moore ’25: CEO, Lead Electrical Engineer, Pilot, 2nd year
Allison Yu ’25: Chief Information Officer, Software Engineer, 2nd year
Azalea Lurie ’25: CSO, Mechanical Engineer, 2nd year
Zachary Rapoport ’25: CFO, 2nd year
Cynthia Ho ’23: Lead Design Engineer, 2nd year
Lisa Lininger ’24: CTO, Lead Mechanical Engineer, 2nd year
Benjamin Peters ’25: Lead Software Engineer, 2nd year
Ruka Ito ’26: Co-Lead Mechanical Engineer, 1st year
Riko Negishi ’23: Electrical Engineer, 3rd year
Claudia Goldsworthy ’23: Marketing and Information, 1st year
Kharianna Gracie ’23: Electrical Engineer, 2nd year
Stuart Canario ’23: Software Engineer, 1st year
Skylor Sun ’23: Mechanical Engineer, 2nd year
Gavin Montgomery ’24: Design Engineer, 1st year
Timothy Keroles ’24: Design Engineer, 1st year
Eto Uchiyama ’25: Design Engineer, 1st year
Henry Argentieri ’25: Mechanical Engineer, 1st year
Annalia Henderson ’26: Design Engineer, 1st year
Connor Byrne ’26: Mechanical Engineer, 1st year
Trevor Jones ’26: Mechanical Engineer, 1st year
Payson Cai ’26: Mechanical Engineer, 1st year