

Team Specs

School Name: Moanalua High School

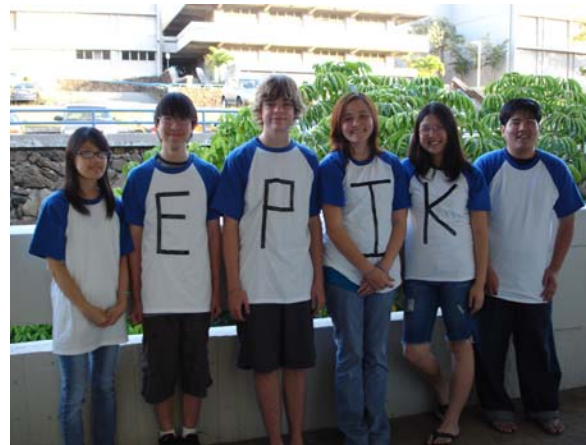
Home State: Hawaii

Distance Traveled (Regional Competition): 30.0947 km

First – Time MATE ROV Competition Participant? Moanalua High School is a returning regional participant. Four members are veterans and the other three are new to the HURC program. Moanalua High School has been fortunate enough to participate in the 2009 International HURC Competition.

Team photo:

(From left to right)
Angel Diep (Communications)
Derin Young (Electronics)
Julian Cecil (Co-Captain; Construction)
Lauren Mueller (Construction)
Nina Duong (Co-Captain; Electronics)
Collin Yabusaki (Construction)



Grade levels: All members are juniors in eleventh grade.

ROV Specs

ROV Name: Bumblebee

Total Cost: \$822

Primary Material: PVC

Approximate dimensions: 39.4cm x 35.6cm x 23.5cm

Safety Features: Safety Propeller guards; Yellow stripes are painted over black electrical tape to signify caution; Duct tape sharp areas

Special Features: A self-fabricated claw, which can assist in Tasks #1 and 2.

Bumblebee has three cameras, one for navigation, one for the apparatus, and one for aiming the back apparatuses. The hydrophones are connected to a condenser microphone that enhances sound, assisting with Task #1. The control system has two different styles of movement: arcade drive for the vertical movement and tank drive for the horizontal. The agar retriever is also a self-fabricated apparatus used for Task #4, made from simple PVC and metal framing.

