

# HAWKS Engineering Specifications 2014-15

## SeaHAWK

**SeaHAWK costs:** \$642.84

**Safety Features:** Reset button, chamfered

edges, plastic/stainless steel screws and nuts, no open toe shoes, safety glasses around pool or machinery, tether wrap up tightly, shrouds around motor, electrical connections that are underwater are waterproof with hot glue and heat shrink, slightly positively buoyant frame (float to top of surface), Zip ties are cut down, hooks have caps, if claw fails we have hooks, fuses, Arduino has current limiting feature,

**Special Features:** Control by a tablet through an Arduino Uno, Bluetooth module, relay board and filter, Frame and Shrouds designed through CAD and created within the school, ROV can be completely disassemble



In order from left to right  
Laura Turf- Payload Tools Operator, Senior  
Grace Wilkins- Vice President, CFO  
Dillon Vadgama- CEO, Pilot  
Miraj Shah- Safety Manager, Tether Engineer  
\*W. Oras – Mentor (Not seen in picture)

## HAWKS Engineering

A subsidiary of

**Hoffman Estates High School,  
Hoffman Estates, IL**

**United States of America**

**O'hare Airport to Saint John's Airport**

**3,962.205 kilometers**

**A long distance for a**

**First Year Team**