HydroWarriors
Lake Castle Private School Slidell, Louisiana U.S.A.

11 Years participating in SeaPerch
9 Times at the International SeaPerch Challenge

Our SeaPerch is unique because: (100 words MAX)
The ROV is unique because of its small, lightweight frame, which makes it more buoyant and allows it to glide through the water much faster than it would with a heavier design. The ROV is also unique because of its pentagonal shape, which increases the hydrodynamics of the ROV.

SeaPerch Design Overview: (100 words MAX)
The ROV has a pentagonal frame to ensure that it is hydrodynamic, with a rod on the front of the frame to pick up the “rocks” on the mission course. The motors are wrapped in tape rather than covered by film canisters to make the ROV lightweight and to keep the wires and motors from shorting out. The ROV’s frame is designed to reduce fluid friction and increase hydrodynamics and speed. The frame is taped and sealed to keep water from getting inside of the frame, which would weigh it down and short out the wiring.

Our biggest takeaway this season is: (100 words MAX)
The season, the team learned to work together and cooperate with one another. They also learned how to work efficiently with limited time and how to use the EDP and the team’s creativity to accomplish our goals, which would not have been possible without the team’s creativity and imagination.