Deep Water Vanguard  
Grant County 4-H, Sheridan, Arkansas

5 Years participating in SeaPerch  
2 Times at the International SeaPerch Challenge

Our SeaPerch is unique because:  
Our SeaPerch is unique because it has a rounded nose cone made from PEX and 3D prints.

SeaPerch Design Overview:  
The Deep Water Vanguard opted for a streamlined ROV, incorporating a rounded nose for improved hydrodynamics, a 3D printed hook and 3D printed motor housings. The motor housings feature a hydrodynamic cone to minimize drag during aquatic locomotion. To enhance visibility underwater, the team used a vibrant yellow as an accent color, with yellow electrical tape wrapped around the cone and yellow filament used for all 3D prints.

Our biggest takeaway this season is:  
Our biggest take away this season is “every small detail matters when you are trying to be the best.”