**SeaPerch Design Overview:** (100 words MAX)

The Avenger is an innovative remotely operated underwater vehicle that has the shape of a battleship. It can submerge quickly, thanks to its built-in buoyancy rods. Unlike floaties, these rods make it easier to keep the pool drain clean without leaving any noodle shavings behind. The buoyancy rods also help keep the seaperch stable and can be used as hooks. The motor mounts create wing fins that help build propulsion speed, similar to the turbines used in submarines. The seaperch is constructed using reused parts, and its weight makes it easy to drive and steer in both challenges and obstacles.

**Our biggest takeaway this season is:** (100 words MAX)

This season we've learned that building an R.O.V. is no easy task, but we found it to be an exciting and fulfilling engineering project. We're only in the 3rd and 4th grades, and we've managed to create three amazing seaperches. It wasn't always easy, we faced some struggles despite facing setbacks in our first design, we learned to persevere and never give up. Our friendship and teamwork made us stronger, and with the guidance of our mentor, we were able to achieve our goals. We hope our journey inspires others to embrace challenges and believe in themselves and their abilities.