

Team Dandruff Fact Sheet

Clinton Community Schools, Clinton, Michigan, USA



High School Stock Class

- 2 Years participating in SeaPerch
- 1 Times at the International SeaPerch

Challenge Our SeaPerch is unique because: (100 words MAX)

Our seaperch is unique because it adopts a lightweight, quick design and combines it with a solid, sturdy design. This seaperch has evolved from essentially a cube-shaped hunk of PVC into the capable, multi purpose vehicle that we know today. We accomplished this by utilizing programs such as Autodesk Fusion to digitally create motor shrouds and more efficient hooks. This couldn't have been possible without the unbreakable teamwork and camaraderie that we have within our team. We are grateful for the opportunity to participate, and are optimistic for the future.

SeaPerch Design Overview: (100 words MAX)

This is the third and final iteration of our ROV. In this design, we incorporated the stable, easy to drive qualities of our first design- which is still visible in the square shaped front, and the resource efficient properties of our second design. This design was the first to use CAD designed, 3d printed dual hooks that have a subtle groove in the front so that items can be easily picked up and dropped off. Another feature is the black and yellow striped tips of the hooks which increase visibility of the hooks.

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

Our biggest takeaway this season is that no matter how good that we think something might be, there's always another improvement that could be made. This design is one that's been under development for upwards of two years now, and we haven't stopped finding minor (or major) errors and flaws that could be mended. Be it mechanical, electrical, or practical, there will always be more work to be done.