

Liopleurodons (HS-349)

Describe how your team is giving back to the community and why do you think it is important?

Along with helping a 6th grade team with building an ROV (step by step) and welcoming them to our seaperch family. We mentored, trained the team with obstacle course, maneuvering and guided them with the most common propeller issues.

Using 3D printing to build parts for our robot has taught us how to adapt designs for the need of the hour. When this pandemic started, we immediately wondered if we could use our 3D printing skills to design a mask that will be high quality and afford similar protection to N95 masks.

We designed a unique mask through extensive background research and multiple trial-and-error attempts. We choose the materials and printers that would be efficient and reliable in meeting the needs of the community.

We were able to provide hundreds of masks to community members, who benefited from our unique, low-cost, long-term protective solution. This includes healthcare workers, elderly and suffering people, and first responders.

We believe that we can guide and inspire many other young people to think creatively and reach for the stars.

When the going gets tough, the tough must get going. We may be young and untrained, but it is our generation that will become the leaders of tomorrow. COVID-19 has created an existential crisis of unimagined proportions. There is no better time to step up and help the community.

Supporting Resources:

<https://threemasketeers202.wixsite.com/masks>

