

SILVER AWARD

Patrick Alt



“The Manta Glider”

School: **Washtenaw International
Middle Academy**

Teacher: **Tammy Church**

Mentor:

Matt McPhail

Quinn Fitzpatrick

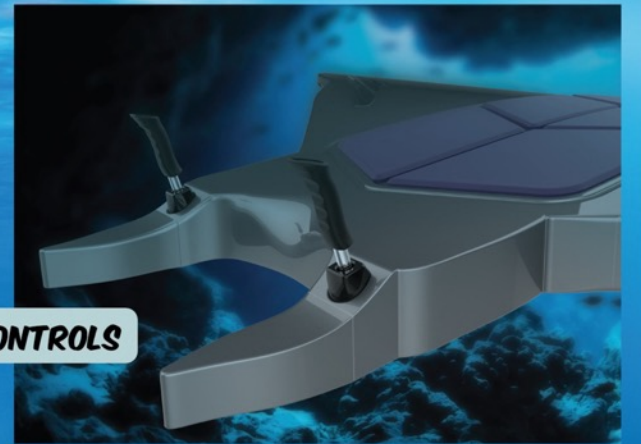
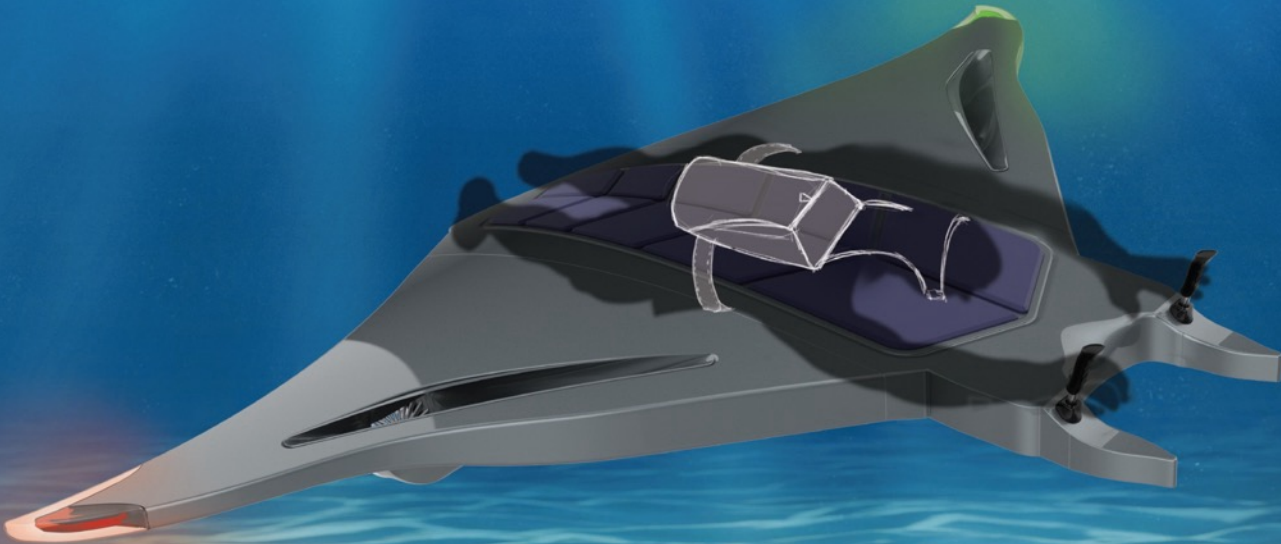


Design Concept:

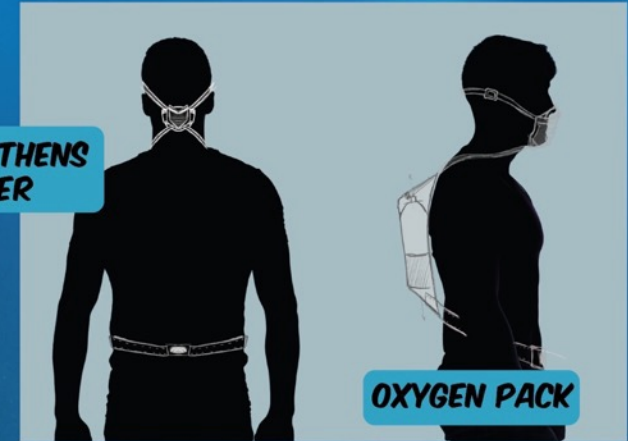
There are 3 main parts of my invention: the glider, charging port and the breathing apparatus. The charging port is powered by solar power and floats in the water. You lay across the back of the glider and straps go across your ankles and waist to secure you to the glider. Grab the handles and tilt them to speed up and tilt your body to steer.

NEPTUNE'S WING GLIDER

AN UNDERWATER MOBILITY GLIDER THAT ENABLES LONG-DISTANCE TRAVEL, PLAY, AND EXPLORATION

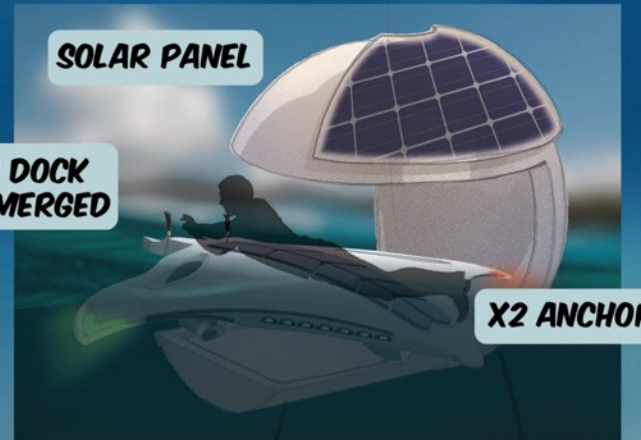


JOYSTICK CONTROLS



FACE MASK LENGTHENS TIME UNDERWATER

OXYGEN PACK



SOLAR PANEL

CHARGING DOCK HALF SUBMERGED

X2 ANCHORS