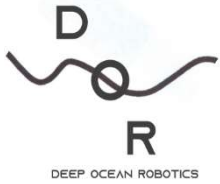


JOB: ROV Testing/Operation

TEAM MEMBERS: Jacob Blanchard, James Blaine, Lily McDonald, Nathaniel Kinonen, Olivia Freeman, Shawn Steakley

No.	Task Description	Steps	Potential Risks	Risk Minimization Efforts	Overseeing Members
1	Set Up	A. Carrying ROV To Pool	a. Tripping b. Mild Hand Injury c. Mild Toe Injury	Keeping wires and tether above foot level Rounding out all sharp edges Having 2 or more people carry the ROV	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		B. Electronics Connected	a. Shock Hazard b. Hand Injury	Checking that everyone is clear Motor shrouds	Jacob, James, and Shawn
		C. Placing ROV in Pool	a. Falling in Pool b. Hand Injury	Rescue implements accessible, no one by pool alone, no one in pool, and cell phone Motor shrouds/ rounded edges	Jacob, James, Lily, Nathaniel, Olivia, Shawn
2	Drive Time	A. Tether Management	a. Tripping	Tether team keeps tether above foot level	Olivia and Lily
		B. Controls/ Electronics	a. Shock Hazard b. Trip Power Supply c. Hair Tied in Motors	Wire connections sealed inside box Fuse installed Long hair is tied back or tucked in shirt	Jacob, James, Lily, Nathaniel, Olivia, Shawn
3	Pack Up	A. Taking ROV Out of Pool	a. Falling in Pool b. Hand Injury	Rescue implements, no one alone, cell phones Motor shrouds/ rounded edges	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		B. Carrying ROV Back	a. Tripping b. Mild Hand Injury c. Mild Toe Injury	Keeping wires and tether above foot level Rounding out all sharp edges Having 2 or more people carry the ROV	Jacob, James, Lily, Nathaniel, Olivia, Shawn



JOB: ROV Construction/ Maintenance

TEAM MEMBERS: Jacob Blanchard, James Blaine, Lily McDonald, Nathaniel Kinonen, Olivia Freeman, Shawn Steakley

No.	Task Description	Steps	Potential Risks	Risk Minimization Efforts	Overseeing Members
1	Power Tools	A. Set Up	a. Tripping b. Hand Injury c. Toe Injury	Keeping cords out of walking space Wearing gloves for sharp blades or tools Wearing close toed shoes when working	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		B. Turning on Equipment	a. Hand Injury b. Eye Injury c. Neck Injury/Cutting	Checking that everyone is clear Wearing safety glasses while operating tools Long hair is tied back or tucked in shirt	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		C. Cleaning Up	a. Tripping	Picking up dropped items	Jacob, James, Lily, Nathaniel, Olivia, Shawn
2	Programing	A. Set Up	a. Tripping	Keeping cords out of walking space	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		B. Electronics	a. Shock Hazard b. Trip Power Supply c. Burning Components	Checking that everyone is clear before testing Fuse installed Paying attention to the 20 volt vs 5 volt wires	Jacob, James, Lily, Nathaniel, Olivia, Shawn
3	Adhesives	A. Before Gluing	a. Mild Hand Injury b. Long Hair in Glue c. Fumes	Wearing plastic gloves Long hair is tied back or tucked in shirt Air circulation through open garage door	Jacob, James, Lily, Nathaniel, Olivia, Shawn
		B. After Gluing	a. Water Leaks Through	Testing seal before placing in electronics	Jacob, James, Lily, Nathaniel, Olivia, Shawn
4	Soldering	A. Using Iron	a. Burn Hazard b. Fumes	Using gloves if at risk of touching the iron Air circulation through open garage door	Jacob, James, Lily, Nathaniel, Olivia, Shawn