

## Appendix V SeaPerch ROV Build Tool Kit

Suggested Work Station, per 4 students	Supplied in Teacher Kit, one unit	Suggested Student Kit	Tools for Frame Build			
			Tools for Frame Build	Vendor	Part#	Cost
	T	S	Goggles	harborfreight.com	47643	\$1.99
	T	S	Ruler	Office Max	11022181	\$1.99
	T	S	Marker	Office Max	21623316	\$1.67
WS	T		PVC Cutter	harborfreight.com	39749	\$3.49
WS	T		#2 Phillips Screwdriver	harborfreight.com	94707	\$2.49
WS	T		#1 Phillips Screwdriver	Mcmaster.com	5791A38	\$2.69
	T		Straight Blade Screwdriver	harborfreight.com	94619	\$1.99
WS	T		Adjustable Pliers	harborfreight.com	39636	\$2.79
WS	T		Electric Drill	harborfreight.com	3670	\$14.99
WS	T		1/4" Drill bit	drillbitwarehouse.com	Stubby	\$1.25
WS	T		5/64" Drill bit	drillbitwarehouse.com	M7135	\$0.93
WS	T		Utility Knife	harborfreight.com	3359	\$1.99
	T		Soft Face Mallet	harborfreight.com	39528	\$4.99
			Tools for Thruster Build	Vendor	Part#	Cost
WS			Electric Stove	not supplied		\$0.00
WS			Pan for water	not supplied		\$0.00
WS			Metal cup	Coleman.com	805B240T	\$4.99
	T		Adjustable pliers	above		\$0.00
WS	T		Wire Stripper	Mcmaster.com	7294K58	\$10.94
WS	T		Needle Nosed pliers	harborfreight.com	39635	\$3.29
	T		Minature Needle Nosed Pliers	allelectric.com	PLR-55	\$2.50
WS	T		Soldering iron	elexp.com	60509	\$6.20
	T		Soldering iron stand w/ sponge	elexp.com	60842	\$3.95
	T		spade bit, 1 3/8"	McMaster.com	2894A71	\$5.05
		S	Sandpaper, 100A grit, sheet	not supplied		\$0.00
WS			Potting Block	not supplied		\$0.00
WS			Rubbing alcohol	not supplied		\$0.00
WS	T		Locking Needle Nosed pliers	harborfreight.com	39715	\$3.39
WS	T		Desoldering Pump	elexp.com	60820	\$0.56
					Pt Tools	
WS	T		Cat 5 wire stripper	Amazon.com	15015	\$12.00
			Tools for Controller Build	Vendor	Part#	Cost
			#1 Philips screwdriver	above		\$0.00
			Electric Drill	above		\$0.00
			1/4" Drill bit	above		\$0.00
			Marker	above		\$0.00
			Ruler	above		\$0.00
WS			RSR Helping Hand	elexp.com	60834	\$3.50
WS			Vise or clamp	harborfreight.com	3311	\$19.99
			Soldering iron and solder	above		\$0.00
			Soldering iron stand	above		\$0.00
			adjustable pliers	above		\$0.00
	T	S	Flush wire cutting pliers	harborfreight.com	90708	\$1.99
WS	T		Digital multimeter	harborfreight.com	90899	\$4.99
					<b>TOTAL</b>	<b>\$125.59</b>