

TOOLS				
Category	Item	Source	Price	Link
Hand Tools	Wire cutters - flush cutter	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	7.67 <a href="https://www.circuitspecialists.com/flush-cut-cutter-european-style.html">https://www.circuitspecialists.com/flush-cut-cutter-european-style.html</a>
	Diagonal cutters	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	4.38 <a href="https://www.circuitspecialists.com/diagonal-cutting-pliers.html">https://www.circuitspecialists.com/diagonal-cutting-pliers.html</a>
	Needle Nose Pliers	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	7.04 <a href="https://www.circuitspecialists.com/fin_needle_nose_pliers_100-021.html">https://www.circuitspecialists.com/fin_needle_nose_pliers_100-021.html</a>
	Wire strippers 20-30 AWG	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	5.24 <a href="https://www.circuitspecialists.com/precision-wire-stripper-awg-20-30-CP-301G.html">https://www.circuitspecialists.com/precision-wire-stripper-awg-20-30-CP-301G.html</a>
	Wire strippers 10-20 AWG	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	4.71 <a href="https://www.circuitspecialists.com/precision-wire-stripper-awg-20-10-CP-302G.html">https://www.circuitspecialists.com/precision-wire-stripper-awg-20-10-CP-302G.html</a>
	Xacto knife	Xacto	Amazon	6.73 <a href="https://www.amazon.com/x-acto-knife-safety/dp/B0058R5W64/ref=rs_1_174chid=18&amp;keywords=xacto+knife&amp;qid=160503328&amp;sr=8-5">https://www.amazon.com/x-acto-knife-safety/dp/B0058R5W64/ref=rs_1_174chid=18&amp;keywords=xacto+knife&amp;qid=160503328&amp;sr=8-5</a>
	Xcellite small screwdrivers	Xcellite	Amazon	9.08 <a href="https://www.amazon.com/Xcellite-SG13-3-Piece-Philips-Screwdriver/dp/B000ANZ74M/ref=rs_1_174chid=18&amp;keywords=xcellite+screwdriver&amp;qid=160503317&amp;sr=8&amp;pf_rd_p=160503317&amp;pf_rd_r=160503317&amp;pf_rd_t=1&amp;pf_rd_s=160503317&amp;pf_rd_b=160503317&amp;pf_rd_o=160503317">https://www.amazon.com/Xcellite-SG13-3-Piece-Philips-Screwdriver/dp/B000ANZ74M/ref=rs_1_174chid=18&amp;keywords=xcellite+screwdriver&amp;qid=160503317&amp;sr=8&amp;pf_rd_p=160503317&amp;pf_rd_r=160503317&amp;pf_rd_t=1&amp;pf_rd_s=160503317&amp;pf_rd_b=160503317&amp;pf_rd_o=160503317</a>
	Soldering station	Hakko FX888D	Amazon	104.95 <a href="https://www.amazon.com/Hakko-FX888D-230V-Digital-Soldering-Station/dp/B00ANZ74M/ref=rs_1_174chid=18&amp;keywords=hakko+fx888&amp;qid=161343940&amp;sr=8-1">https://www.amazon.com/Hakko-FX888D-230V-Digital-Soldering-Station/dp/B00ANZ74M/ref=rs_1_174chid=18&amp;keywords=hakko+fx888&amp;qid=161343940&amp;sr=8-1</a>
	Helping hands			8.70 <a href="https://www.amazon.com/Neiko-01902-Adjustable-Magnifying-Alligator/dp/B00P4203C/ref=rs_1_174chid=18&amp;keywords=helping-hands&amp;qid=160502470&amp;sr=8-4">https://www.amazon.com/Neiko-01902-Adjustable-Magnifying-Alligator/dp/B00P4203C/ref=rs_1_174chid=18&amp;keywords=helping-hands&amp;qid=160502470&amp;sr=8-4</a>
Solder	Kester		5.34 <a href="https://www.amazon.com/Kester-83-8000-3000-Solder/dp/B0000QJGJ/ref=rs_1_174chid=18&amp;keywords=kester+solder&amp;qid=161343941&amp;sr=8-1">https://www.amazon.com/Kester-83-8000-3000-Solder/dp/B0000QJGJ/ref=rs_1_174chid=18&amp;keywords=kester+solder&amp;qid=161343941&amp;sr=8-1</a>	
Test Equipment	Digital Multi Meter			18.99 <a href="https://www.amazon.com/Panagor-Digital-Multimeter-Battery-Alligator/dp/B0672G7F2N/ref=rs_1_174chid=18&amp;keywords=multimeter&amp;qid=161343908&amp;pf_rd_p=161343908&amp;pf_rd_r=161343908">https://www.amazon.com/Panagor-Digital-Multimeter-Battery-Alligator/dp/B0672G7F2N/ref=rs_1_174chid=18&amp;keywords=multimeter&amp;qid=161343908&amp;pf_rd_p=161343908&amp;pf_rd_r=161343908</a>
	Alligator clip test leads			5.39 <a href="https://www.amazon.com/KAWEETS-Electrical-Alligator-Connection-Experiment/dp/B07WQ21YMH/ref=rs_1_174chid=18&amp;keywords=alligator+clips&amp;qid=160502843&amp;sr=8-1">https://www.amazon.com/KAWEETS-Electrical-Alligator-Connection-Experiment/dp/B07WQ21YMH/ref=rs_1_174chid=18&amp;keywords=alligator+clips&amp;qid=160502843&amp;sr=8-1</a>
	Breadboard			5.99 <a href="https://www.amazon.com/HILGO-Solderless-Breadboard-Circuit-Prototyping/dp/B00SG58JUK/ref=rs_1_174chid=18&amp;keywords=breadboard&amp;qid=161344092&amp;sr=8-7">https://www.amazon.com/HILGO-Solderless-Breadboard-Circuit-Prototyping/dp/B00SG58JUK/ref=rs_1_174chid=18&amp;keywords=breadboard&amp;qid=161344092&amp;sr=8-7</a>
	Mechanical Tools			39.99 <a href="https://www.amazon.com/Z18-Piece-General-Household-Carrying-Maintenance/dp/B08FDM64/ref=rs_1_174chid=18&amp;keywords=home+tools&amp;qid=161343940&amp;sr=8-1">https://www.amazon.com/Z18-Piece-General-Household-Carrying-Maintenance/dp/B08FDM64/ref=rs_1_174chid=18&amp;keywords=home+tools&amp;qid=161343940&amp;sr=8-1</a>
Consumables	Electrical tape	Scotch Super 33+		3.88 <a href="https://www.amazon.com/Scotch-Super-Vinyl-Electrical-Tape/dp/B0004WCC4/ref=rs_1_174chid=18&amp;keywords=scotch+33+electrical+tape&amp;qid=160503395&amp;pf_rd_p=160503395">https://www.amazon.com/Scotch-Super-Vinyl-Electrical-Tape/dp/B0004WCC4/ref=rs_1_174chid=18&amp;keywords=scotch+33+electrical+tape&amp;qid=160503395&amp;pf_rd_p=160503395</a>
	Resistor pack	Cutequeen 31 value resistor	Amazon	6.99 <a href="https://www.amazon.com/Cutequeen-Values-Compliant-Resistor-25pcs/dp/B018XK6QK/ref=rs_1_174chid=18&amp;keywords=resistor+kit+1%2F4+watt+365-pieces&amp;qid=161344097&amp;pf_rd_p=161344097">https://www.amazon.com/Cutequeen-Values-Compliant-Resistor-25pcs/dp/B018XK6QK/ref=rs_1_174chid=18&amp;keywords=resistor+kit+1%2F4+watt+365-pieces&amp;qid=161344097&amp;pf_rd_p=161344097</a>
	Capacitor pack	MCGICM 180 piece capacti	Amazon	5.99 <a href="https://www.amazon.com/MCGICM-Monolithic-Multilayer-Capacitors-Assortment/dp/B072B3K2L3/ref=rs_1_174chid=18&amp;keywords=capacitor+kit+1%2F4+watt+365-pieces&amp;qid=161344015&amp;sr=8-14">https://www.amazon.com/MCGICM-Monolithic-Multilayer-Capacitors-Assortment/dp/B072B3K2L3/ref=rs_1_174chid=18&amp;keywords=capacitor+kit+1%2F4+watt+365-pieces&amp;qid=161344015&amp;sr=8-14</a>
		Total		<b>251.16</b>
Upgrades	Fiske digital multi meter			43.00 <a href="https://www.amazon.com/Fiske-101-Multimeter-Equipment-Industrial/dp/B00T8RUUUU/ref=rs_1_174chid=18&amp;keywords=fiske+101&amp;pd_rd_p=161344097">https://www.amazon.com/Fiske-101-Multimeter-Equipment-Industrial/dp/B00T8RUUUU/ref=rs_1_174chid=18&amp;keywords=fiske+101&amp;pd_rd_p=161344097</a>
	Analog Diagnostics II 5" Flush Oblique Cutter - Slim	Eclipse Tools (Pro's Kit)	Circuit Specialists or ecliptools.com	18.90 <a href="https://www.circuitspecialists.com/5in_flush_oblique_cutter_slim_top_300-060.html">https://www.circuitspecialists.com/5in_flush_oblique_cutter_slim_top_300-060.html</a>
	Power supply	Kuniger	Amazon	59.9 <a href="https://www.amazon.com/Kuniger-Adjustable-Switching-Regulated-Adjustments/dp/B08D1LP2YV/ref=rs_1_174chid=18&amp;keywords=variable%2Bvoltage%2Bpower%2Bsupply&amp;qid=161344068&amp;sr=8-5">https://www.amazon.com/Kuniger-Adjustable-Switching-Regulated-Adjustments/dp/B08D1LP2YV/ref=rs_1_174chid=18&amp;keywords=variable%2Bvoltage%2Bpower%2Bsupply&amp;qid=161344068&amp;sr=8-5</a>
Signal generator	Koolerton (15 MHz)	Amazon	99.99 <a href="https://www.amazon.com/Koolerton-Generator-Precision-Dual-channel-Arbitrary/dp/B07211YWMK/ref=rs_1_174chid=18&amp;keywords=signal-generator&amp;pd_rd_p=161344097">https://www.amazon.com/Koolerton-Generator-Precision-Dual-channel-Arbitrary/dp/B07211YWMK/ref=rs_1_174chid=18&amp;keywords=signal-generator&amp;pd_rd_p=161344097</a>	
Function generator	Diyeha XK2206			<a href="https://www.amazon.com/Diyeha-Precision-Generator-Adjustable-Transparent/dp/B078X9PKX3/ref=rs_1_174chid=18&amp;keywords=signal-generator&amp;qid=161344082&amp;sr=8-9">https://www.amazon.com/Diyeha-Precision-Generator-Adjustable-Transparent/dp/B078X9PKX3/ref=rs_1_174chid=18&amp;keywords=signal-generator&amp;qid=161344082&amp;sr=8-9</a>
<b>Tool Ideas</b>				
Solder Station	Weller WESD51	Used 48	48	<a href="https://www.ebay.com/itm/Weller-WESD51-Digital-Solder-Station-50-W-350-850-F114680645896?hash=item1ab376a148_a=AAABQsw-DjgIaB">https://www.ebay.com/itm/Weller-WESD51-Digital-Solder-Station-50-W-350-850-F114680645896?hash=item1ab376a148_a=AAABQsw-DjgIaB</a>
Education kit	W1010Na	New 109	0	<a href="https://www.amazon.com/Weller-W1010NA-Digital-Soldering-Station/dp/B077JG011/ref=rs_1_174chid=18&amp;keywords=W1010NA&amp;qid=161378109&amp;sr=8-2">https://www.amazon.com/Weller-W1010NA-Digital-Soldering-Station/dp/B077JG011/ref=rs_1_174chid=18&amp;keywords=W1010NA&amp;qid=161378109&amp;sr=8-2</a>
DMM - Digital Multi Meter	Fiske Model 101	New	51	<a href="https://www.amazon.com/Fiske-101-Multimeter-Resistance-Capacitance/dp/B00H6M4M7/ref=rs_1_174chid=18&amp;keywords=fiske+101&amp;qid=161378109&amp;sr=8-1">https://www.amazon.com/Fiske-101-Multimeter-Resistance-Capacitance/dp/B00H6M4M7/ref=rs_1_174chid=18&amp;keywords=fiske+101&amp;qid=161378109&amp;sr=8-1</a>
Solder	Kester "44" 63/37 .011	New	12.49	<a href="https://www.amazon.com/Kester-Basin-Core-Solder-Dispense-Pkg/dp/B017YK6H5P/ref=rs_1_174chid=18&amp;keywords=50%2Bkg+kester+44&amp;qid=161378109&amp;sr=8-2">https://www.amazon.com/Kester-Basin-Core-Solder-Dispense-Pkg/dp/B017YK6H5P/ref=rs_1_174chid=18&amp;keywords=50%2Bkg+kester+44&amp;qid=161378109&amp;sr=8-2</a>
Solder wick	Tiny roll (Yellow)	New	3.5	<a href="https://www.amazon.com/MC-Chemicals-Desoldering-Length-Yellow/dp/B00B0W78C/ref=rs_1_174chid=18&amp;keywords=solder+wick+yellow&amp;qid=161378213&amp;sr=8-7">https://www.amazon.com/MC-Chemicals-Desoldering-Length-Yellow/dp/B00B0W78C/ref=rs_1_174chid=18&amp;keywords=solder+wick+yellow&amp;qid=161378213&amp;sr=8-7</a>
Sponge	Fits in cavity	New	2.2	<a href="https://www.amazon.com/Weller-WCT108-Solder-Cleaning-Sponge/dp/B00N1JYCGJ/ref=rs_1_174chid=18&amp;keywords=sponge+for+solder+iron&amp;qid=161378213&amp;sr=8-1">https://www.amazon.com/Weller-WCT108-Solder-Cleaning-Sponge/dp/B00N1JYCGJ/ref=rs_1_174chid=18&amp;keywords=sponge+for+solder+iron&amp;qid=161378213&amp;sr=8-1</a>
Pliers kit (6)	Craftsman	Stanley Black & Decker/Dewalt	22	<a href="https://www.amazon.com/CRAFTSMAN-Pliers-6-Piece-Pouch-CMHT81716/dp/B07DL3L8L5/ref=rs_1_174chid=18&amp;keywords=electronic+tool+set&amp;qid=161378257&amp;sr=8-8">https://www.amazon.com/CRAFTSMAN-Pliers-6-Piece-Pouch-CMHT81716/dp/B07DL3L8L5/ref=rs_1_174chid=18&amp;keywords=electronic+tool+set&amp;qid=161378257&amp;sr=8-8</a>
Screwdrivers (16) (iPhone)	Craftsman	Tell this story	20	<a href="https://www.amazon.com/CRAFTSMAN-16-Piece-Set-Flathead-Phillips-Double-Ended/dp/B01429W0UJ/ref=rs_1_174chid=18&amp;keywords=craftsman+tools&amp;qid=161378257&amp;sr=8-5">https://www.amazon.com/CRAFTSMAN-16-Piece-Set-Flathead-Phillips-Double-Ended/dp/B01429W0UJ/ref=rs_1_174chid=18&amp;keywords=craftsman+tools&amp;qid=161378257&amp;sr=8-5</a>
Reaching screwdriver/BiO	Craftsman	Have this already?	0	<a href="https://www.amazon.com/CRAFTSMAN-Reaching-Screwdriver-26-Piece-CHRT87801/dp/B07G3K2C3D/ref=rs_1_174chid=18&amp;keywords=reaching+screwdriver&amp;qid=161378257&amp;sr=8-9">https://www.amazon.com/CRAFTSMAN-Reaching-Screwdriver-26-Piece-CHRT87801/dp/B07G3K2C3D/ref=rs_1_174chid=18&amp;keywords=reaching+screwdriver&amp;qid=161378257&amp;sr=8-9</a>
Breadboard kit			16	<a href="https://www.amazon.com/REXQualis-Electronics-Breadboard-Resistor-Raspberry/dp/B078X38K2/ref=rs_1_174chid=18&amp;keywords=breadboard+kit&amp;qid=161378992&amp;sr=8-2">https://www.amazon.com/REXQualis-Electronics-Breadboard-Resistor-Raspberry/dp/B078X38K2/ref=rs_1_174chid=18&amp;keywords=breadboard+kit&amp;qid=161378992&amp;sr=8-2</a>
Silicon Soldering pad			17	<a href="https://www.amazon.com/Fair-Soldering-Maintenance-Magnetics-Insulation/dp/B073878H0J/ref=rs_1_174chid=18&amp;keywords=silicone+soldering+pad&amp;qid=161378988&amp;sr=8-8">https://www.amazon.com/Fair-Soldering-Maintenance-Magnetics-Insulation/dp/B073878H0J/ref=rs_1_174chid=18&amp;keywords=silicone+soldering+pad&amp;qid=161378988&amp;sr=8-8</a>
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Total			<b>212.19</b>	
<b>Tool Ideas</b>				
Worklight				
Old PC or tablet over bench				
A good bench with pegboard or rubbermaid trackwall				
Magnifying - Light				
Old Webcam				