

Students taking ENGR120 and ENGR121 are required to have the **Living With The Lab Kit**. The Kit is available from the Campbell University Bookstore, or students may assemble their own (this allows some personalization and may result in a lower price). If students wish to assemble their own LWTL kit, care must be taken to obtain comparable or better items. In some cases, substitutions are not permitted.

FOR THIS SECTION, GET EXACTLY THE SPECIFIED ITEM	Possible Vendor	Part Number
Boe-Bot Parts Kit (<i>only available at Parallax.com</i>)	Parallax.com	28124
Equus Inova 3320 Digital Auto-Range Multimeter	JB Tools Sales	EPI3320
Arduino Uno USB Microcontroller Rev. 3 (<i>Make sure it is Rev 3 DIP</i>)	Robot Shop	RB-Ard-34
Texas Instruments TI-36X Pro Calculator	Amazon	36PRO/TBL/1L1
FOR THIS SECTION, SUBSTITUTIONS FOR COMPARABLE OR HIGHER QUALITY/PERFORMANCE ITEMS IS OK	Possible Vendor	Part Number
Safety glasses (<i>get something that fits over your glasses if needed</i>)	Amazon	09206804
400 tie point solderless breadboard (<i>400 tie and size are important</i>)	Robot Shop	RB-Cix-11
Mini Long-nose pliers	Robot Shop	RB-lbo-129
Wire Stripper/Cutter	Robot Shop	RB-lbo-133
Banana to mini-grabber test lead	Robot Shop	RB-lbo-202
USB A to B conversion cable, 6ft	Robot Shop	RB-Spa-1154
15 in canvas tool bag (<i>larger/different bags are acceptable</i>)	Harbor Freight	32282
6 in. dial caliper	Harbor Freight	66541
6 in. stainless pocket ruler	Harbor Freight	93684
7-in-1 screwdriver	Harbor Freight	94955
Lead Free Flux, 2 Oz, For Solder Prep (<i>Make sure it is lead-free</i>)	Grainger	1UYJ2
Lead-free solder (<i>Make sure it is lead-free</i>)	Grainger	19YP69
Stanley Multi-Tool Folding Knife	Grainger	45J350
Thread sealant tape	Grainger	31XH96
Electrical Tape, Black Vinyl, 3/4"x60'	Grainger	19N746
Ultra-Fine point black Sharpie Marker	Amazon	32101PP
6x AA batteries	Any vendor	Any brand