

Materials	Quantity	Link to Store	What it will be used for	Name of vendor	Actual cost
Pack of NPN Bipolar Transistors	1	<a href="https://www.adafruit.com/product/756">https://www.adafruit.com/product/756</a>	Amplify power in electric circuit	Adafruit	\$1.95
Pack of Through-Hole Resistors	1	<a href="https://www.adafruit.com/product/2780">https://www.adafruit.com/product/2780</a>	Stepping voltage down in circuit	Adafruit	\$0.75
Pack of 5 IR LEDs and Receivers	1	<a href="https://www.amazon.com/AIRSUNNY-three-Infrared-Emission-Receiver/dp/B00EFOQEUM/ref=sr_1_1?s=home-garden&amp;ie=UTF8&amp;qid=1526780685&amp;sr=1-1&amp;keywords=airsunny+5+pairs+infrared+led">https://www.amazon.com/AIRSUNNY-three-Infrared-Emission-Receiver/dp/B00EFOQEUM/ref=sr_1_1?s=home-garden&amp;ie=UTF8&amp;qid=1526780685&amp;sr=1-1&amp;keywords=airsunny+5+pairs+infrared+led</a>	Backup LEDs and receivers	AIRSUNNY - Amazon	\$5.98
Real Time Clock Module	1	<a href="https://www.amazon.com/Diymore-DS3231-AT24C32-Precision-Arduino/dp/B01XXACD0/ref=sr_1_2?s=electronics&amp;ie=UTF8&amp;qid=1526780767&amp;sr=1-2&amp;keywords=diymore+real+time+clock+module">https://www.amazon.com/Diymore-DS3231-AT24C32-Precision-Arduino/dp/B01XXACD0/ref=sr_1_2?s=electronics&amp;ie=UTF8&amp;qid=1526780767&amp;sr=1-2&amp;keywords=diymore+real+time+clock+module</a>	Implementing a schedule	Diymore - Amazon	\$6.99
SparkFun Assorted Buttons	1	<a href="https://www.sparkfun.com/products/10302">https://www.sparkfun.com/products/10302</a>	Ergonomic Buttons for the Client	Cyclewet	\$7.99
Breadboard PCB	1	<a href="http://www.jsumo.com/breadboard-pcb">http://www.jsumo.com/breadboard-pcb</a>	Building a PCB Prototype	JSumo	\$1.95
Gikfun 4xAA battery pack	1	<a href="https://www.amazon.com/Gikfun-Plastic-Battery-Storage-Arduino/dp/B0146DJTTO">https://www.amazon.com/Gikfun-Plastic-Battery-Storage-Arduino/dp/B0146DJTTO</a>	The power source for our final prototype	Gikfun	\$6.98
Arduino Mini Pro	1	<a href="https://www.gearbest.com/boards-shields/pp_226718.html?wid=1433363&amp;currency=USD&amp;vip=760153&amp;qclid=CjwKCAjwr-PYBRB8EiwALtjbz1Vu632RnurV5N4jGMrDL4eru_uKLN4Tv5mrmCXEHuSomwubV6pqChcCJ6IQAvD_BwE">https://www.gearbest.com/boards-shields/pp_226718.html?wid=1433363&amp;currency=USD&amp;vip=760153&amp;qclid=CjwKCAjwr-PYBRB8EiwALtjbz1Vu632RnurV5N4jGMrDL4eru_uKLN4Tv5mrmCXEHuSomwubV6pqChcCJ6IQAvD_BwE</a>	Microcontroller	Funduino	\$2.12
Serial Converter Adapter	1	<a href="https://www.banggood.com/FT232RL-FTDI-USB-To-TTL-Serial-Converter-Adapter-Module-For-Arduino-p-917226.html?gmcCountry=US&amp;currency=USD&amp;createTmp=1&amp;utm_source=googleshopping&amp;utm_medium=cpc_elc&amp;utm_content=frank&amp;utm_campaign=pla-mix-us-pc-0222&amp;qclid=CjwKCAjwr-PYBRB8EiwALtjbzxh00tJ9WCrfXksl5rGwePBynEwzyv6KUO9a7qp7xE4KOKtc3XOboChywQAvD_BwE&amp;cur_warehouse=CN">https://www.banggood.com/FT232RL-FTDI-USB-To-TTL-Serial-Converter-Adapter-Module-For-Arduino-p-917226.html?gmcCountry=US&amp;currency=USD&amp;createTmp=1&amp;utm_source=googleshopping&amp;utm_medium=cpc_elc&amp;utm_content=frank&amp;utm_campaign=pla-mix-us-pc-0222&amp;qclid=CjwKCAjwr-PYBRB8EiwALtjbzxh00tJ9WCrfXksl5rGwePBynEwzyv6KUO9a7qp7xE4KOKtc3XOboChywQAvD_BwE&amp;cur_warehouse=CN</a>	Adapter	Geekcreit	\$2.12
Spool of Wire	1	<a href="https://www.mouser.com/ProductDetail/Adafruit/1311?qs=GURawfaeGuBbUKgxUfZ%252bxQ%3D%3D&amp;qclid=Cj0KCQjwUYTYBRDsARIsAJnrUXAu08auAmjFUxDgezaCWpf8MP45QOBRZBoq4LxUOZ8jqP9yne7QmoaAkQuEALw_wcB">https://www.mouser.com/ProductDetail/Adafruit/1311?qs=GURawfaeGuBbUKgxUfZ%252bxQ%3D%3D&amp;qclid=Cj0KCQjwUYTYBRDsARIsAJnrUXAu08auAmjFUxDgezaCWpf8MP45QOBRZBoq4LxUOZ8jqP9yne7QmoaAkQuEALw_wcB</a>	Wires	Mouser Electronics	\$15.95
Red LED	1	<a href="https://www.sparkfun.com/products/9590">https://www.sparkfun.com/products/9590</a>	For RTC notifications	SparkFun	\$0.35
Joystick	1	<a href="https://www.aliexpress.com/item/6pcs-bag-KEYES-Dual-axis-XY-joystick-module-KY-023/32531534160.html?src=google&amp;albslr=222463252&amp;isdl=y&amp;aff_short_key=UeMjZVf&amp;source=%7Bifdyn:dyn%7D%7Bifpla:pla%7D%7Bifdbm:DBM&amp;albch= DID%7D&amp;src=google&amp;albch=shopping&amp;acnt=708-803-3821&amp;isdl=y&amp;albcpr=653153647&amp;albag=34728528644&amp;slnk=&amp;trgt=61865531738&amp;plac=&amp;crea=en32531534160&amp;netw=g&amp;device=c&amp;mtctp=&amp;aff_platform=google&amp;qclid=Cj0KCQjwlv_XBRDrARIsAH-iRJSMLLABA0NNeaegyEouAQwmcSvV4kmlImQdctfvQKNuPUD8W3QUNoaAqgFEALw_wcB&amp;gclsrc=aw.ds">https://www.aliexpress.com/item/6pcs-bag-KEYES-Dual-axis-XY-joystick-module-KY-023/32531534160.html?src=google&amp;albslr=222463252&amp;isdl=y&amp;aff_short_key=UeMjZVf&amp;source=%7Bifdyn:dyn%7D%7Bifpla:pla%7D%7Bifdbm:DBM&amp;albch= DID%7D&amp;src=google&amp;albch=shopping&amp;acnt=708-803-3821&amp;isdl=y&amp;albcpr=653153647&amp;albag=34728528644&amp;slnk=&amp;trgt=61865531738&amp;plac=&amp;crea=en32531534160&amp;netw=g&amp;device=c&amp;mtctp=&amp;aff_platform=google&amp;qclid=Cj0KCQjwlv_XBRDrARIsAH-iRJSMLLABA0NNeaegyEouAQwmcSvV4kmlImQdctfvQKNuPUD8W3QUNoaAqgFEALw_wcB&amp;gclsrc=aw.ds</a>	On Demand Remote	AliExpress	\$0.52
Lithium Coin Cell	1	<a href="https://www.batteryjunction.com/panasonic-cr2032-bulk.html?gclid=Cj0KCQjwUYTYBRDsARIsAJnrUXB_v7Jh4p2bcfd-RXWEuPkI6eGcXHWWP7FkhZt3f6yG5_To0ndvYaAhRQEALw_wcB">https://www.batteryjunction.com/panasonic-cr2032-bulk.html?gclid=Cj0KCQjwUYTYBRDsARIsAJnrUXB_v7Jh4p2bcfd-RXWEuPkI6eGcXHWWP7FkhZt3f6yG5_To0ndvYaAhRQEALw_wcB</a>	To power RTC	Battery Junction	\$0.24
Pack of AA Batteries	1	<a href="https://www.amazon.com/Energizer-Batteries-Battery-Alkaline-E91BP-24/dp/B004U429AQ/ref=sr_1_1_sspa?ie=UTF8&amp;qid=1526852102&amp;sr=8-1-spons&amp;keywords=duracell+battery+aa&amp;psc=1">https://www.amazon.com/Energizer-Batteries-Battery-Alkaline-E91BP-24/dp/B004U429AQ/ref=sr_1_1_sspa?ie=UTF8&amp;qid=1526852102&amp;sr=8-1-spons&amp;keywords=duracell+battery+aa&amp;psc=1</a>	To power Arduino	Amazon - Duracell	\$12.34
Pack of Screws	1	<a href="https://www.amazon.com/Rok-Hardware-Standard-Thread-Screws/dp/B01MFAIS08/ref=lp_16403521_1_4?s=industrial&amp;ie=UTF8&amp;qid=1526851263&amp;sr=1-4">https://www.amazon.com/Rok-Hardware-Standard-Thread-Screws/dp/B01MFAIS08/ref=lp_16403521_1_4?s=industrial&amp;ie=UTF8&amp;qid=1526851263&amp;sr=1-4</a>	To connect remote parts	RokHardware-Amazon	\$5.99