

light sensor: \$7

https://www.amazon.com/DIYables-Digital-Arduino-ESP8266-Raspberry/dp/B0BXKJPV67/ref=sr_1_15?crid=QQWAC1L3WDKX&dib=eyJ2ljojMSJ9.zw22Owlvf6Hn7JeLSFJ2c7w1M581mKpm-OJeN_306RfHXLmZjAAkzEnSLC3enijTtaMyH_tyQv2ocntk8U2xZwCXAKx0-oFeZUHs-HeOnoTcctUk7HvIY-_48Ubcacdpen_mOC-Ua84oDPnvT6RTLI5RfZhshL9M3aH1IJEgu4tGFn4OwqcMIE6F3SdP8NiNBswEdHOMzQ4GngSZaA78B-uiL4LCi3WODDLh5Nkvo20.F9iO-7Plx4QnLzgZqKG4vDGGn5JORqNbl6Sk_38LYq4&dib_tag=se&keywords=uv%2Blight%2Bsensor%2Barduino&qid=1711401579&srefix=UV%2Blight%2Bsensor%2B%2Caps%2C190&sr=8-15&th=1

LEDs:

UV: \$12

https://www.amazon.com/TOPXCDZ-10pcs-3W-Purple-Ultraviolet/dp/B0C6X82BPS/ref=pd_ci_mcx_pspc_dp_d_2_i_2?pd_rd_w=KqW5Y&content-id=amzn1.sym.568f3b6b-5aad-4bfd-98ee-d827f03151e4&pf_rd_p=568f3b6b-5aad-4bfd-98ee-d827f03151e4&pf_rd_r=2FTTFGQW7GBRGCM2VXAW&pd_rd_wg=EMhKE&pd_rd_r=7d766eef-3f5a-4e11-a449-a0b5859c5e47&pd_rd_i=B0C6X82BPS&th=1

Deep red: \$7

https://www.amazon.com/Cleiscry-Power-3W-Emitter-Components/dp/B0BKSL2HCC/ref=sr_1_6?crid=2H8VY9V98MLP9&dib=eyJ2ljojMSJ9.4ayeut8H5rHzJf0KdVeE9gnlos9jpOkEv3GyR7xK2JMXB3h3tXACmNKut1NH_Zr9BLd4LpXkZ5FEW8pyor5u4mqblqgcV1oUKXOUuS0YX6MYn0tSTCbCPSPASr8LTTbL9X-HT8PVXRXuKxQKzgHfnEiarE6BYtwTYt-D8oqm8_UZXR_9tGxREc94TFuG4IOhoJysykCOL74XHr034k2npu2oFubxwEW75cw-JtEx9o7jWzIF-kJBqZcKu1BATGQVfHvofNnfTTtK6H7_luNLaqr5Gh63lFeEfPpc59lhw4o.Z86riKSZ47IezvyF7XPCkmN_D0V1a6_O3k06sTyA_BU&dib_tag=se&keywords=deep%2Bred%2BLED&qid=1711401891&s=industrial&srefix=deep%2Bred%2Bled%2Cindustrial%2C162&sr=1-6&th=1

Solder, wire (for LEDs): \$8.09 + \$12

Solder:

https://www.amazon.com/MAIYUM-63-37-Solder-Electrical-Soldering/dp/B075WB98FJ/ref=sr_1_4?crid=XS7IE33SW71G&dib=eyJ2ljojMSJ9.QUpD02dr

[wVJlGcRsfXRvSI_DhK9kMK374obl9Kp-Z4TwUYiwPj3VvVFdEXazl3VBCP1JrQnF-l8YjtUB1M_3SOrWjY-EZiDNaN8WF06jSLuYHSUoXL5qyKFpknYK8mz-dpyfnLKA94BY6bo9PYkoJLxHBpQ5rqu4gmSoQ9xc-tpPQXeW69WVN92XaRevo_7KqZmwywRYJhft51bLFUqhGxRxsSOCLH667EWymo5e_74Jqehoj8csXBxpf7DV4B-ZyO0Nfo9baAxy2UJH3ax-Y_Gunnyfues1Ebg_RTyl0.VhDFPkrq0zdpGR6-9a5Pel7pdxWhDA-81ept7yFbzgs&dib_tag=se&keywords=solder+wire&qid=1711562450&s=hi&sprefix=solder+wire%2Ctools%2C137&sr=1-4](https://www.amazon.com/dp/B089CQHRDT/ref=sr_1_4?crid=36A9YB8N1BF8M&dib=eyJ2ljojMSJ9.yCXxlyVt8NOahSf7OZhwAZ2dQonscchedHzpKgdSFP-aW85fvxRR0Ar_XwhzS5DBzBfiQgcBskONrBCZK1NYN-JphEm_8yQQqljJeaufpYVhAKUpWlB3LkdmMcUHGyY49rli3CVp_BqC7l3s5y0hiyQiAi0ZQyPhgBqOj4nTGCVQ6AwTiO-yZiVdxU56d9Z35HaK6nuuXdcTzbr8xpGEqtK4yBmAupPS4So026M5swtfnbbAZWlrylyMzg4gzMYqqJW4L5iD3GgDlCWPctLxaMYBjm2-BeKaRei8ybQa_g.wphywegJMJsZGedZcGQwbG57MxGEUO7YCvrcCeJm9ic&dib_tag=se&keywords=22%2Bawg%2Bwire&qid=1711562552&s=hi&sprefix=wire%2B22%2Ctools%2C143&sr=1-4&th=1)

Wire:

https://www.amazon.com/Fermerry-Stranded-Electric-Tinned-Copper/dp/B089CQHRDT/ref=sr_1_4?crid=36A9YB8N1BF8M&dib=eyJ2ljojMSJ9.yCXxlyVt8NOahSf7OZhwAZ2dQonscchedHzpKgdSFP-aW85fvxRR0Ar_XwhzS5DBzBfiQgcBskONrBCZK1NYN-JphEm_8yQQqljJeaufpYVhAKUpWlB3LkdmMcUHGyY49rli3CVp_BqC7l3s5y0hiyQiAi0ZQyPhgBqOj4nTGCVQ6AwTiO-yZiVdxU56d9Z35HaK6nuuXdcTzbr8xpGEqtK4yBmAupPS4So026M5swtfnbbAZWlrylyMzg4gzMYqqJW4L5iD3GgDlCWPctLxaMYBjm2-BeKaRei8ybQa_g.wphywegJMJsZGedZcGQwbG57MxGEUO7YCvrcCeJm9ic&dib_tag=se&keywords=22%2Bawg%2Bwire&qid=1711562552&s=hi&sprefix=wire%2B22%2Ctools%2C143&sr=1-4&th=1

Humidity and temperature sensor: \$9.79

https://www.amazon.com/Temperature-Humidity-Digital-3-3V-5V-Raspberry/dp/B07WP4VZTH/ref=sr_1_9?crid=26OH3S8G8GJG8&dib=eyJ2ljojMSJ9.g1RVD CXxXa1KycmGOZfb81BHEZfGKo-u5bh2GiSiN_s8rKLIVXWHVu6XcXmIVMSqcLEDEpprRTUCQwvZhUbKRQ0YLhDELEOcgGMtmezAT1U683lEMiSiX96nUfd5s4BOTjr1HG6aQhV1aCDqzEZ-QdgzfKqECmVCjgQ00hGbKMgPnNoSPXHgfniNtaJ-z3pmPrRpYDlzmUO5T7IE8fr10aP2Ypc6u14Ud18NDsfHCNU.4tIMcjzttNl5kxQlOLxBHGp8bmO4CVCff_B7QqyYuZo&dib_tag=se&keywords=microcontroller%2Bhumidity%2Bsensor&qid=1711397031&sprefix=microcontroller%2Bhumidity%2Bsensor%2Caps%2C139&sr=8-9&th=1

LCD display (HMI): \$10

https://www.amazon.com/HiLetgo-Backlight-Display-Arduino-MEGA2560/dp/B01DKETWO2/ref=sr_1_17?crid=2NMBR6Q91XXSE&dib=eyJ2ljojMSJ9.K-E7njYkvsRTjP3MyOaPN8JlIc2Zjn0Rm3N5TkTn42Ln1qM9_gargdmeRC5fgoAeAIAsVAqKgxWg

[KLnVnh79aPbryiQDWLoavh8EGWCh7Be6M_YQRIAWwC4WPvapJ_N-sAaTOcGsiDTdqbi6CE3S3bOsvJmK9gYxJbVqE88P-oHDucS6E75lFokVUQeXKpfFKJYjo5G96KW-eluf1rrDK4D5c4pO4oX06ZnGEaYmkg_G_9i45YlwRK-zefnllqDU5rTKdnfXS_6PKUGD_lG1tDCd2zeR7td8zT8udh1MEio.ZiAqRpbdaIqjbelF478shS_UltRopBKX0CKWV32KybM&dib_tag=se&keywords=lcd+display&qid=1711400564&s=electronics&srefix=lcd+dis%2Celectronics%2C129&sr=1-17](https://www.amazon.com/KN-Vnh79aPbryiQDWLoavh8EGWCh7Be6M_YQRIAWwC4WPvapJ_N-sAaTOcGsiDTdqbi6CE3S3bOsvJmK9gYxJbVqE88P-oHDucS6E75lFokVUQeXKpfFKJYjo5G96KW-eluf1rrDK4D5c4pO4oX06ZnGEaYmkg_G_9i45YlwRK-zefnllqDU5rTKdnfXS_6PKUGD_lG1tDCd2zeR7td8zT8udh1MEio.ZiAqRpbdaIqjbelF478shS_UltRopBKX0CKWV32KybM&dib_tag=se&keywords=lcd+display&qid=1711400564&s=electronics&srefix=lcd+dis%2Celectronics%2C129&sr=1-17)

Soil moisture sensors and water pumps: \$10

https://www.amazon.com/AEDIKO-Automatic-Irrigation-Watering-Capacitive/dp/B0BWQ6RD95/ref=sr_1_7?dib=eyJ2ljojMSJ9.L0TOA2-qgq3JzbTw1aqsrqQoWlqpbxvmj9nR1XlbUyH8h_7PNsO4tsD_4lmkC7UM4AYhQs3EcsNf4aHr40YR_BK7HK5vvogQaf6lOQQXgp07X73k-kgNXSSPR3MmuR2GTyuyaiB-JWU_ZszSpPUL_nxcdRSL0Z1vySgZXcMUkSZg7l4Tmf4Y15l7ZWHE1cFnVJ1ld-zL1pq-Nv0r5hIZDVdPFSma1BnH465Of0Ejq3uOBcaNNkbN2LOlhNzvfGeG_HrV15Rm1XQ8r4kKW_SOR0V1oKgxIA-njc8iLU8q2Kgc.9hjKSEd8ZpJLBfYbLUBPzAd7Jk6GSmidFYarVDie6yg&dib_tag=se&keywords=arduino+water+pump&qid=1711400647&sr=8-7

Humidifier: \$10

https://www.amazon.com/EC-Buying-Humidifier-Atomization-Experimental/dp/B0C1C79BH3/ref=sr_1_2?crid=2CZS6VQ8TDY7T&dib=eyJ2ljojMSJ9.AQmGWFsIAzS6Z1GXTGCB_jCN5-R-8nl31zQPqUcubcjT7paHuej2ROg4Yq9Cw9dk5kzCthGDTHKPTmTbK7sBdfb2bmceFxOgxQXkk6BZgr1XXWmlyr89XbBmJHzbZFvnVKZ8a9tpRUavYAsvAs48ACok3hyzLh-nNN_8JMLI8kLhxAdpEgRdpk8aFtyKiQGloeD4Da6WxUoBO147_LlnO8lCW-Kd_BNnrwmaaEVJ2xPvOWb-O1eAsFEhhteCjxGTZ_k1_bc0NwQh_hODbciZFRok6ysZiApnoLo5mdB_S50.yEPJbVXfh0eGO_rLdu3Cb1hEHJ8FUO8Y9-g6FN6cOHHw&dib_tag=se&keywords=arduino+humidifier&qid=1711405686&srefix=arduino+humidifier%2Caps%2C163&sr=8-2

Greenhouse enclosure: \$25

https://www.amazon.com/Tabletop-Greenhouse-Gardening-Germination-Propagation/dp/B0C6JYWZGB/ref=sr_1_24?crid=1lI9JOUEAUUVN2&dib=eyJ2ljojMSJ9.Hv5EDVjafnNJNIWpYzSKTZn4oqlrXJellXNluRjwcwWbn4lNRo1Hzxm4MGW4EsZT1qVXttPIEFn1w1mNHZVf9OquZ7y31iU9077_eP5oTMyzsDk0CsAcknfJF9U_n9lh-

[Cn9kz_eORXBnU51BqJVa4LnD70FADHbyhh39yjggfAunuEPpLd-1yNswZhbJiTfNx-A1JE7MCA4CX9D4MkYhU2L-8mVB-4PQLl3jbCEqhQKWO8Vyif24Lja6uy6Z0q59MAElloyBZOJGUxzVvT4DGz7Tr9iReon8xydFsjptJc.3qDp-6pGrq3wHRUyhDgsop0xcHuvnyDpxlier6EkRrc&dib_tag=se&keywords=mini+greenhouse&qid=1711405970&srefix=mini+greenhouse%2Caps%2C149&sr=8-24](https://www.amazon.com/dp/B01H4ZDYCE/ref=sr_1_18?crid=1300SNK7Y6XM7&dib=eyJ2IjojMSJ9.-aDHOAycHhkmhKjvAAYy57Pvo7DtbzrKCfjhplyHspONkX6t-35p0odDELNuYo3ttcQdib0fAibQhTgZYS5ROECVSAEzuLmUZfhODQo4pn6bcr7b4jGMcxFHxnPNsNUYVNBVu_pnWBibtvSySeF8wwwLQgyqPpPWKyGo4LMfAaF76VhGHj_QuYKLR0Air8Jk_tG-E4G8BL2kTO9gVUHPEjyHZ6yx3AR663hq3AjJP6a4.pXDN1Yb9UEFmxwElapA2OAdodOgwSwPudLMDuTkZl&dib_tag=se&keywords=mini+greenhouse&qid=1711405970&srefix=mini+greenhouse%2Caps%2C149&sr=8-24)

Elegoo Mega R3 (Microcontroller): \$21

https://www.amazon.com/ELEGOO-ATmega2560-ATMEGA16U2-Projects-Compliant/dp/B01H4ZDYCE/ref=sr_1_18?crid=1300SNK7Y6XM7&dib=eyJ2IjojMSJ9.-aDHOAycHhkmhKjvAAYy57Pvo7DtbzrKCfjhplyHspONkX6t-35p0odDELNuYo3ttcQdib0fAibQhTgZYS5ROECVSAEzuLmUZfhODQo4pn6bcr7b4jGMcxFHxnPNsNUYVNBVu_pnWBibtvSySeF8wwwLQgyqPpPWKyGo4LMfAaF76VhGHj_QuYKLR0Air8Jk_tG-E4G8BL2kTO9gVUHPEjyHZ6yx3AR663hq3AjJP6a4.pXDN1Yb9UEFmxwElapA2OAdodOgwSwPudLMDuTkZl&dib_tag=se&keywords=arduino&qid=1711565856&srefix=arduino%2Caps%2C153&sr=8-18&th=1