**Updated Parts List: May 24, 2024**

| **Parts** | **#** | **Cost** | **Source** |
| --- | --- | --- | --- |
| Raspberry Pi Pico | 1 | $14.25 | <https://www.amazon.com/Raspberry-Pi-Pico-RP2040-microcontroller/dp/B092S2KCV2?th=1> |
| Mini Water Pump | 1 | $10.00 | <https://www.fuelcellstore.com/mini-water-pump> |
| TSL2591 Light Sensor | 1 | $6.95 | <https://www.adafruit.com/product/1980?gad_source=1&gclid=CjwKCAjw9cCyBhBzEiwAJTUWNeucJlfWyz8Zx2sv8ihcbxDCd2jU5MCUWK6N2pk3Jkpq6aeEb0FHERoCvSwQAvD_BwE> |
| RGB LED Light | 2 | $1.50 | https://vilros.com/products/tri-color-rgb-led?utm\_source=google&utm\_medium=product\_sync&utm\_campaign=sag\_organic&utm\_content=sag\_organic |
| Phenol Red Indicator Dye | 1 | $5.10 | <https://www.geyerinstructional.com/aldon-chemicals-phenol-red-sol-0-02-500ml-pp0175-500ml/?keyword=&creative=&gad_source=1&gclid=CjwKCAjw8diwBhAbEiwA7i_sJekX_MPnyINH-cmRWy9TGolSd1m2-Gjod-jvKRwvbHrkX1iMuO5qURoCKikQAvD_BwE> |
| Cuvette | 1 | ~$3 | <https://www.sigmaaldrich.com/US/en/product/aldrich/br759015?utm_source=google&utm_medium=organicshopping&utm_source=google&utm_medium=cpc&utm_campaign=21043330280&utm_content=&gclid=CjwKCAjw9cCyBhBzEiwAJTUWNaacNTt8JKRORilSHuksaQ-cLNSuGEvhyF3TP5bSnVn91UmS52XarhoCaGAQAvD_BwE> |
| 20 ml syringe | 1 | $2 | <https://aaprintsupplyco.com/products/neo-sy?variant=32983529488468&currency=USD&utm_medium=product_sync&utm_source=google&utm_content=sag_organic&utm_campaign=sag_organic&srsltid=AfmBOoqIWNiGqBFyY0_SuPJI8O2K_qD1SE5h-Gxxlw2TRUkzQtm_g3tpRyg> |
| Plastic Waste Resovoir | 1 | $0.26 | <https://www.berlinpackaging.com/3600b03-2-oz-natural-hdpe-plastic-wide-mouth-packer-bottles-white-screw-top-cap/?utm_source=google&utm_medium=cpc&utm_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20Bottles%20-%20HDPE&utm_id=21016660230&utm_content=&utm_term=&gad_source=1&gclid=CjwKCAjw9cCyBhBzEiwAJTUWNQKtTxFOMuFaX5nl7jv3UimzFBc7M9naBo_MlGrCpJRQH1XFCfGRXBoCqS4QAvD_BwE> |
| Casing | 1 | $9.49 | <https://www.amazon.com/Waterproof-Plastic-Electronic-Junction-Enclosure/dp/B07M5SZNR9/ref=asc_df_B07M5SZNR9/?tag=hyprod-20&linkCode=df0&hvadid=693308318554&hvpos=&hvnetw=g&hvrand=13402671431230684644&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9033316&hvtargid=pla-615797795038&psc=1&mcid=7bd63229ef183828938a82ddd5446444&gad_source=1> |
| Boogie Board | 1 | $9.98 | <https://www.amazon.com/VIAHART-Swimming-Kickboard-Training-Children/dp/B07YLCFXNZ/ref=asc_df_B07YLCFXNZ/?tag=hyprod-20&linkCode=df0&hvadid=693032873421&hvpos=&hvnetw=g&hvrand=6280361674532011425&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9033316&hvtargid=pla-833813916399&mcid=9e0ba69cce50345faabceff6ef7ba68e&gad_source=1&th=1> |
| Pool Noodle | 1 | $0.80 | <https://www.target.com/p/swim-noodles-sun-squad-8482/-/A-77334552?sid=1284S&ref=tgt_adv_xsp&AFID=google_pla_df&fndsrc=tmnv&DFA=71700000118584877&CPNG=PLA_DVM%2Ba064R000015PcuyQAC-SportingGoods_Q2_ExternalSearch_2024-1230653&adgroup=PLA_SportingGoods&LID=700000001393753pgs&network=g&device=c&location=9033316&gad_source=1&gclid=CjwKCAjw9cCyBhBzEiwAJTUWNfmeFzHwZJTi7H6BJ3jdNGEmo4M8L7B2T5cBCeuQnSU5DZS6Y402wxoC4n4QAvD_BwE&gclsrc=aw.ds> |
| Plastic Mount Panel | 1 | $6.99 | <https://www.l-com.com/patch-panel-server-rack-universal-plastic-blank-sub-panel-white-color?gad_source=1&gclid=CjwKCAjw9cCyBhBzEiwAJTUWNUGWycyfB5hQ_9Ax-4TmjvDxTvLbuL1vLkrxf4qDyazjq2o5TQzUuBoCK0EQAvD_BwE> |

**\*0.0056818181ml of phenol red per ml of water**