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| SIT123 Equipment List Lab work |  |  |  |
| **Item Name** | **Core Electronics SKU** | **URL** |
| Uno R3 | CE05629 | <https://core-electronics.com.au/uno-r3.html> |
| DC Barrel Power Jack/Connector [if needed for project] | PRT-00119 | <https://core-electronics.com.au/dc-barrel-power-jack-connector.html> |
| In-line power switch for 2.1mm barrel jack [if needed for project] | ADA1125 | <https://core-electronics.com.au/in-line-power-switch-for-2-1mm-barrel-jack.html> |
| Coin Cell Battery - 12.5mm (CR1220) | CE05439 | <https://core-electronics.com.au/coin-cell-battery-12-5mm-cr1220.html> |
| Adafruit Assembled Data Logging shield for Arduino (need to ask Core Electronics to solder headers, If they refuse check with <https://www.jaycar.com.au/arduino-compatible-data-logging-shield/p/XC4536?pos=2&queryId=3aa98f5d2b4b8d9e112e48be85d5e26e> ) | ADA1141 | <https://core-electronics.com.au/adafruit-assembled-data-logging-shield-for-arduino.html> |
| Solderless Breadboard - 830 Tie Point (ZY-102) | CE00304 | <https://core-electronics.com.au/solderless-breadboard-830-tie-point-zy-102.html> |
| Jumper Wires - Connected 6" (M/M, 20 pack) | PRT-12795 | <https://core-electronics.com.au/jumper-wires-connected-6-m-m-20-pack.html> |
| Jumper Wires - Connected 6" (F/F, 20 pack) | PRT-12796 | <https://core-electronics.com.au/jumper-wires-connected-6-f-f-20-pack.html> |
| Jumper Wires - Connected 6" (M/F, 20 pack) | PRT-12794 | <https://core-electronics.com.au/jumper-wires-connected-6-m-f-20-pack.html> |
| SD/MicroSD Memory Card - 16GB Class 10 - Adapter Included | CE04628 | <https://core-electronics.com.au/sd-microsd-memory-card-16gb-class-10-adapter-included-39301.html> |
| DHT22 Temperature and Relative Humidity Sensor Module | 018-DHT22 | <https://core-electronics.com.au/dht22-temperature-and-relative-humidity-sensor-module.html> |
| Soil Moisture Sensor (Arduino Compatible) Immersion Gold | SEN0114 | <https://core-electronics.com.au/soil-moisture-sensor-arduino-compatible-immersion-gold.html> |
| ModMyPi PIR Infrared Motion Sensor (HC-SR501) | CE05786 | <https://core-electronics.com.au/modmypi-pir-infrared-motion-sensor-hc-sr501.html> |