

Class 1MCT3
 First Name: Thibo
 Name Koelewinj
 Project Name : Nature Health
 Assembly Revision : 23/03/2021
 Approval Date : 23/03/2022
 Part Count : 10
 Total Cost : €124

(picture can only be added with END delivery of project)

Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost
1	Raspberry Pi 4	Mini computer where software runs and everything is connected to.	1	1	https://www.coolblue.be/nl/product/836199/raspberry-pi-4-model-b-2gb.html?emtc_a%2Ccid_8785266628%2Caid_89302646355%2Ctd_pla	Bol.com, Amazon	€ 66	€ 66.00	€ 66.00	
2	1-wire DS18B20	Used to calculate the temperature	1	1	https://webshop.domotix.nl/index.php?route=product/product&product_id=389	RS Components BE NL	€ 1.91	€ 1.91	€ 1.91	
3	LCD display	Small display that shows who is signed in etc. .	1	1	https://www.otronic.nl/a-82700212/displays/1802-lcd-blauw-backlight	Bol.com, Amazon, Kiwi-electronics.nl	€ 3.19	€ 3.19	€ 3.19	
4	RFID-RC522	With this scanner you can identify yourself.			https://www.otronic.nl/a-60634400/sensors/rfid-rc522-rfid-kit-mifare-cc250-mifare-uid-rfid-tu-dan	Bol.com	€ 3.99	€ -	€ 3.99	
5	Adafruit CCS811 Air Quality sensor	Calculates how well the air quality is.	1	1	https://www.kiwi-electronics.nl/adafruit-ccs811-air-quality-sensor-breakout-voc-eco2?search=CCS811&description=tr	Kiwi-electronics.nl	€ 23.95	€ 23.95	€ 23.95	
6	Speaker	Makes sound when you scan.	1	1	https://www.kiwi-electronics.nl/thin-plastic-speaker-with-wires-8-ohm-0-25w?search=speaker&description=tru	Otronic.nl, Reichelt.com, Kiwi-electronic.nl	€ 1.90	€ 1.90	€ 1.90	
7	Buttons	Button to push on	1	3	1m-panel-mount-dru	ics.nl	€ 1.85	€ 5.55	€ 5.55	
8	Resistors	Resistor	1	1	220-ohm-1-4-watt-5	ics.nl	€ 1.00	€ 1.00	€ 1.00	
9	Arduino Uno	Used to programm the Air Quality Sensor	1	1	https://store.arduino.cc/arduino-uno-rev3	Arduino Store	€ 20.00	€ 20.00	€ 20.00	
Total								€ 123.50	€ 123.50	

