**BOM**

**Stuk 1 (Vuilnisbak):**

1x ESP32

3x Pushbutton

1x LCD (met I2C module)

1x Keyboard

3x PN532 (HW-147)

3x Servo motor

1x weight sensor

3x groene led

**Stuk 2 (Detector):**

1x ESP32

1x Pushbutton

1x LCD (met I2C module)

1x PN532 (HW-147)

**Totaal:**

2x ESP32 (Op school)

4x Pushbutton (Op school)

1x LCD 16 \* 2 (met I2C module) (1x 16\*2)

[https://www.tinytronics.nl/shop/nl/displays/lcd/lcd-display-16\*2-karakters-met-witte-tekst-en-blauwe-backlight-met-i2c-backpack](https://www.tinytronics.nl/shop/nl/displays/lcd/lcd-display-16*2-karakters-met-witte-tekst-en-blauwe-backlight-met-i2c-backpack)

1x LCD 20\*4 (met I2C module) (op school)

1x Keyboard (Dit is 4x4, ideaal is dit 3x4 (op mousser))

<https://www.tinytronics.nl/shop/nl/schakelaars/manuele-schakelaars/keypads/keypad-4x4-matrix>

<https://www.digikey.be/en/products/detail/adafruit-industries-llc/419/5353596?utm_adgroup=Keypad%20Switches&utm_source=google&utm_medium=cpc&utm_campaign=Shopping_Product_Switches&utm_term=&productid=5353596&gclid=CjwKCAiAgvKQBhBbEiwAaPQw3DbU_S0jSP3SLidW6TMW2IL6caK4ikFfHGpXlPuu4_4Nc0PhgE9W6hoChqwQAvD_BwE>

4x PN532 (HW-147) (Op school)

3x Servo motor (Op school?)

<https://www.tinytronics.nl/shop/nl/mechanica-en-actuatoren/motoren/servomotoren/mg90s-mini-servo>

1x weight sensor

<https://www.tinytronics.nl/shop/nl/sensoren/gewicht-druk-kracht/load-cellen/load-cell-5kg>

<https://www.tinytronics.nl/shop/nl/sensoren/gewicht-druk-kracht/load-cellen/load-cell-versterker-hx711>

3x groene led (Op school)