**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:**

1x ESP32 (Op school)

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

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

<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>

3x PN532 (HW-147) (Op school)

3x weight sensor + I2C modules (3x)

<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)

2x pushbutton

1x I2C multiplexer (TCA9548A)

<https://www.tinytronics.nl/shop/nl/communicatie-en-signalen/io-converters/i2c-multiplexer-tca9548a>

1x versterker (PAM8403 Thumbwheel)

<https://www.tinytronics.nl/shop/nl/audio/versterkers/2x3w-stereo-audio-versterker-mini-5v-pam8403-thumbwheel>

1x luidsprekertje

<https://www.tinytronics.nl/shop/nl/audio/speakers/speakers/kleine-speaker-4%CF%89-3w>