

Vocoder Microbit

https://youtu.be/AvX_F62vFWwhttps://youtu.be/AvX_F62vFWw

```
# Add your Python code here. E.g.
```

```
from microbit import *
```

```
import speech
```

```
import random
```

```
lengteWoordArray = 3
```

```
onderwerp = ["Ja", "Zij", "mama",]
```

```
werkwoord = ["ik", "zegt", "heeft"]
```

```
rest = ["ben", "bruh", "bloemen"]
```

```
def sayTheWords1(word):
```

```
    print(word)
```

```
    speech.say(word, speed=120, pitch=100, throat=100, mouth=200)
```

```
    sleep(500)
```

```
def sayTheWords2():
```

```
    willekeurigGetal = random.randint(0, lengteWoordArray - 1)
```

```
    display.show(willekeurigGetal)
```

```
    sayTheWords1(onderwerp[willekeurigGetal])
```

```
    sayTheWords1(werkwoord[willekeurigGetal])
```

```
    sayTheWords1(rest[willekeurigGetal])
```

```
while True:
```

```
    if button_a.is_pressed():
```

```
        display.show(Image.HAPPY)
```

```
sayTheWords1("Hallo ik ben blij")
```

```
elif button_b.is_pressed():
```

```
    display.show(Image.SAD)
```

```
    sayTheWords1("Hallo ik ben niet blij")
```

```
elif display.read_light_level()<40:
```

```
    sayTheWords2()
```

```
else:
```

```
    display.show(Image.SQUARE)
```