



# micro:bit Treasure Hunt



- Create a micro:bit Treasure hunt based on the Proximity Beacon [HERE](#).
- Load the transmitter [code](#) onto as many micro:bits as you like and hide them around your school or playground.
- Then send learners out in groups with the receiver [code](#) to find the treasure.



## Transmitter Code (Hidden Treasure)

```
on start
  radio set group 1
  radio set transmit power 1

forever
  radio send string "1"
  pause (ms) 200

on button A pressed
  play melody power up in background
  show string "I'm the treasure!"
```

## Receiver Code (Used to find Treasure)

```
on start
  radio set group 1

on radio received receivedString
  set signal to received packet signal strength
  plot bar graph of map signal from low -95 high -42 to low 0 high 9
  up to 9
```

Extension: Instead of 'I'm the treasure' you could add different words or letters to each micro:bit. Learners could collect all the words/letters and decode a message.