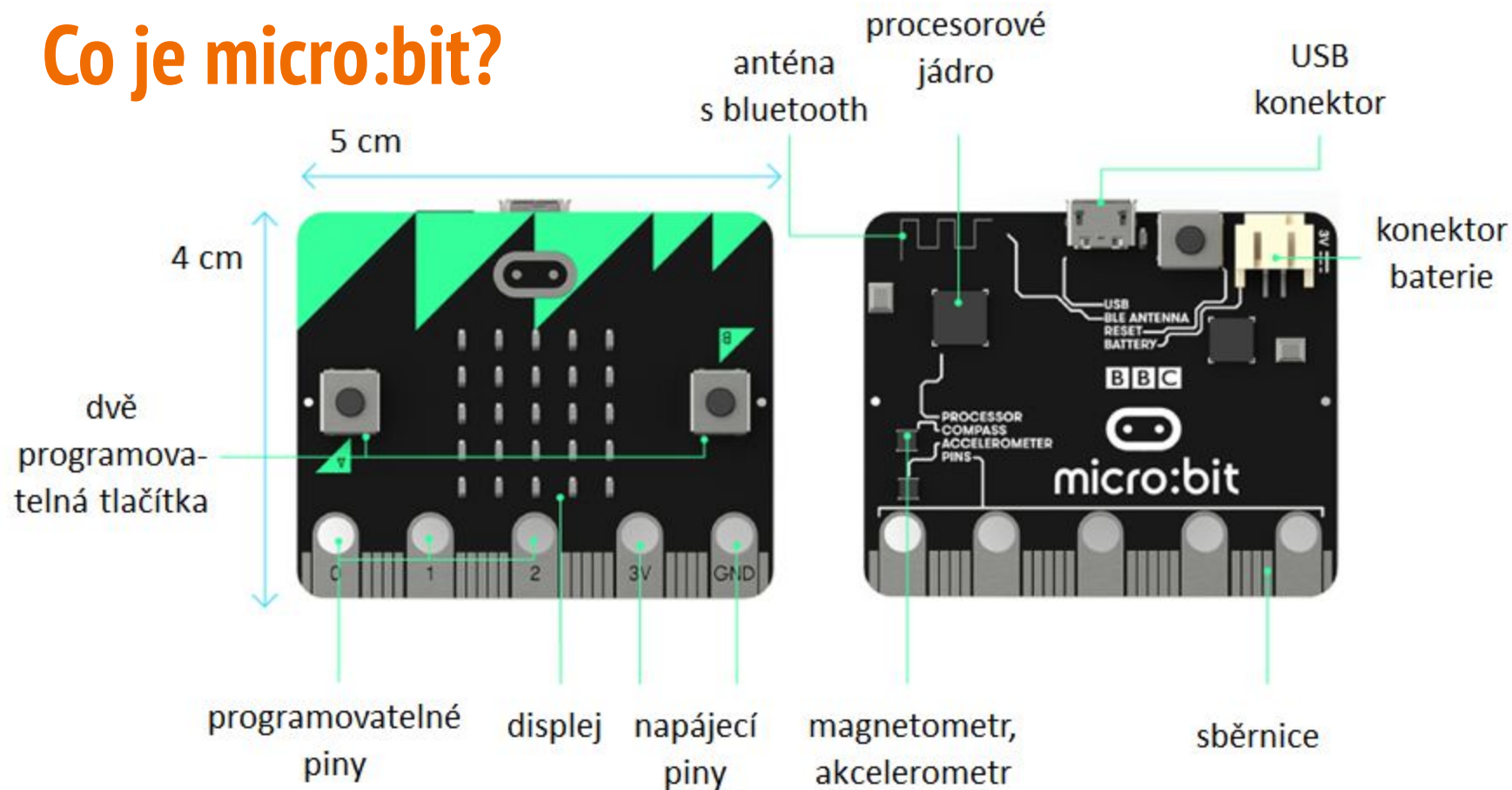

BBC micro:bit

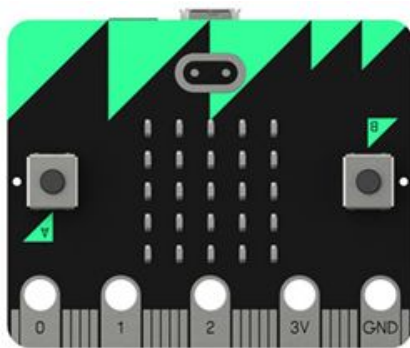
bhavirova@gymelg.cz
microbiti.cz

Co je micro:bit?



Jak se micro:bit osvědčil v běžné výuce?

- výuka informatiky na ZŠ i SŠ
- vhodný i pro netechnické obory
- micro:bit vs. Arduino ve škole



Online programování

- blokové příkazy jako puzzle
- simulátor
- tutoriály a nápověda
- přepínání do javascriptu

makecode.microbit.org



Micro:bit ve výuce

- materiály, nápady, pracovní listy
- zkušenosti učitelů na jednom místě

microbiti.cz

Projekty

Automatická pokladnička

<https://www.microbiti.cz/2019/03/automaticka-pokladnicka.html>



```
on start
  set x to 0
```

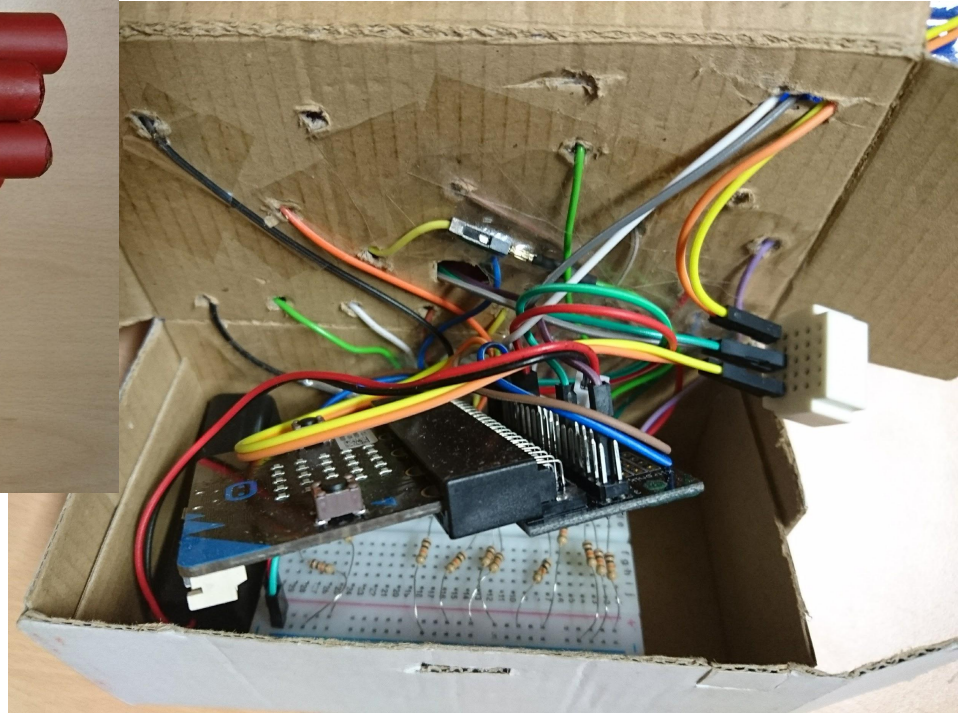
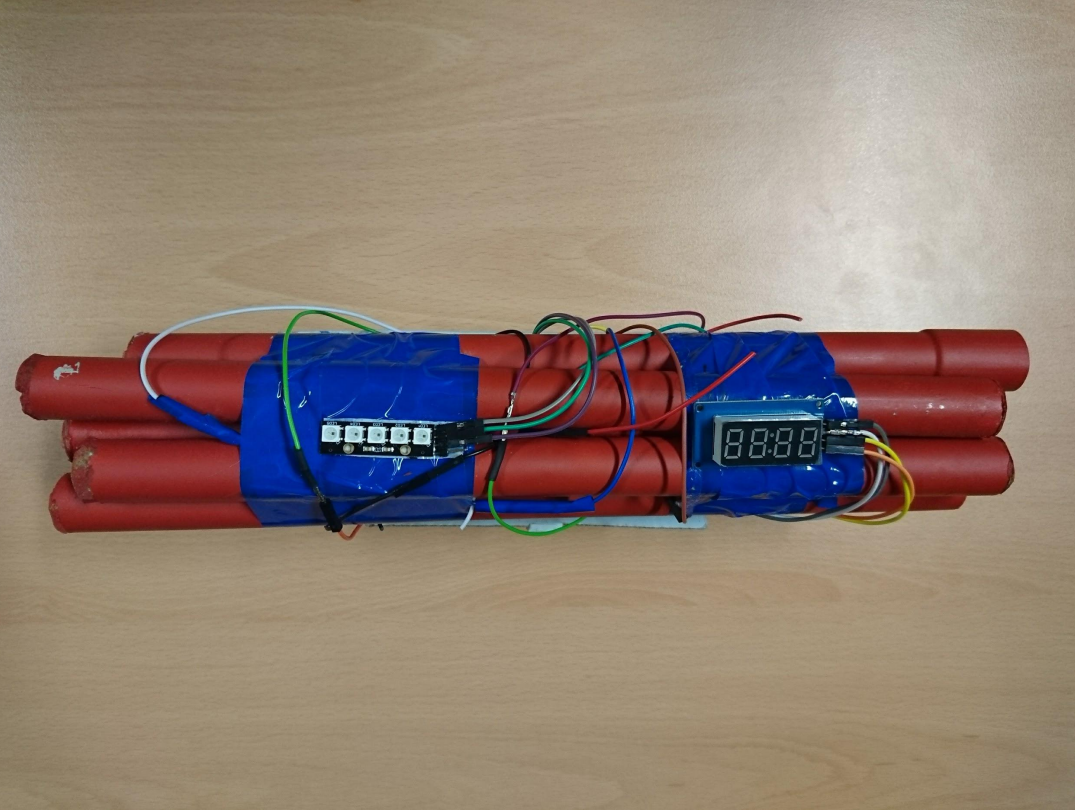
```
on button A pressed
  show number x
  pause (ms) 500
  clear screen
```

```
on pin P0 pressed
  while pin P0 is pressed
    do
      change x by 10
      show number x
      pause (ms) 500
      clear screen
```

```
on pin P1 pressed
  while pin P1 is pressed
    do
      change x by 20
      show number x
      pause (ms) 500
      clear screen
```

```
on pin P2 pressed
  while pin P2 is pressed
    do
      change x by 50
      show number x
      pause (ms) 500
      clear screen
```

Bomba





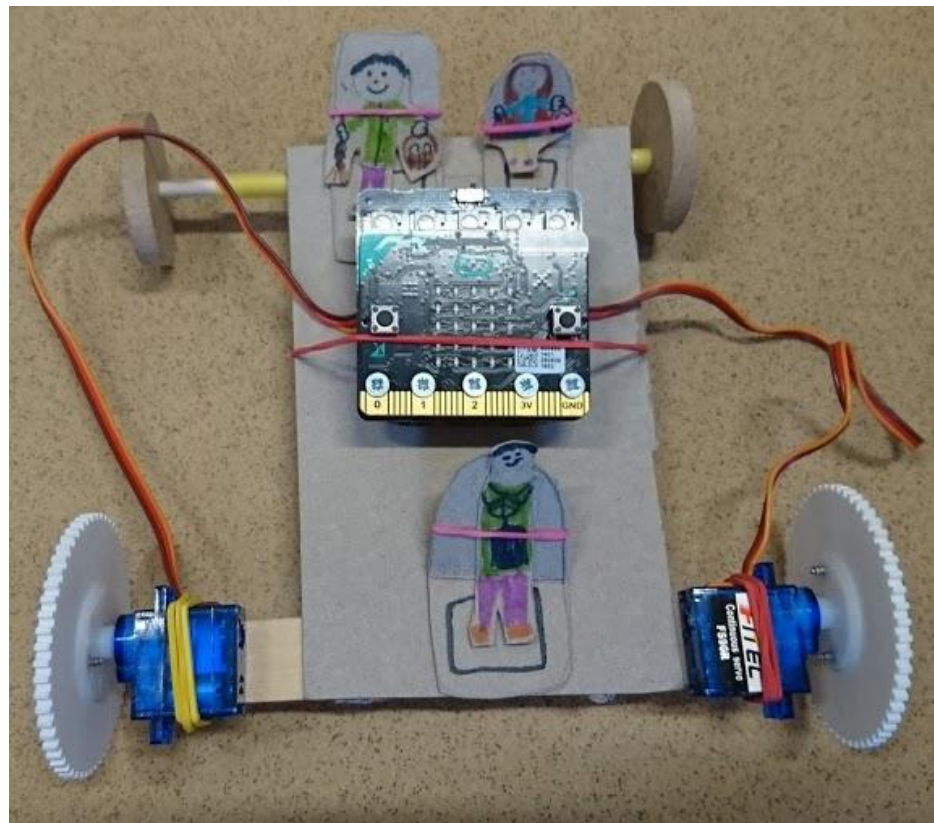
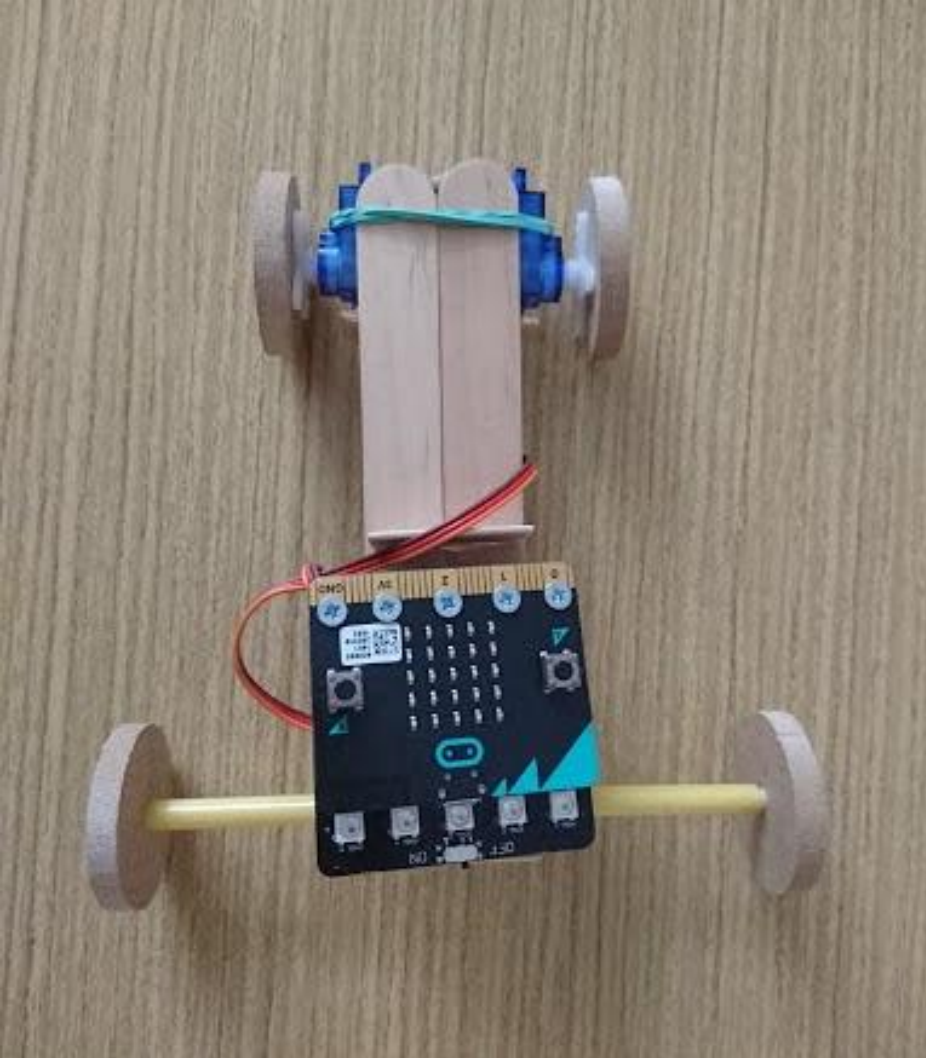
Ottík Kittenbot Robot:bit

<https://www.microbiti.cz/2019/03/ottik-kittenbot-robotbit.html>



Dálkově ovládané autíčko

<https://www.microbiti.cz/2019/02/dalkove-ovladane-auticko.html>

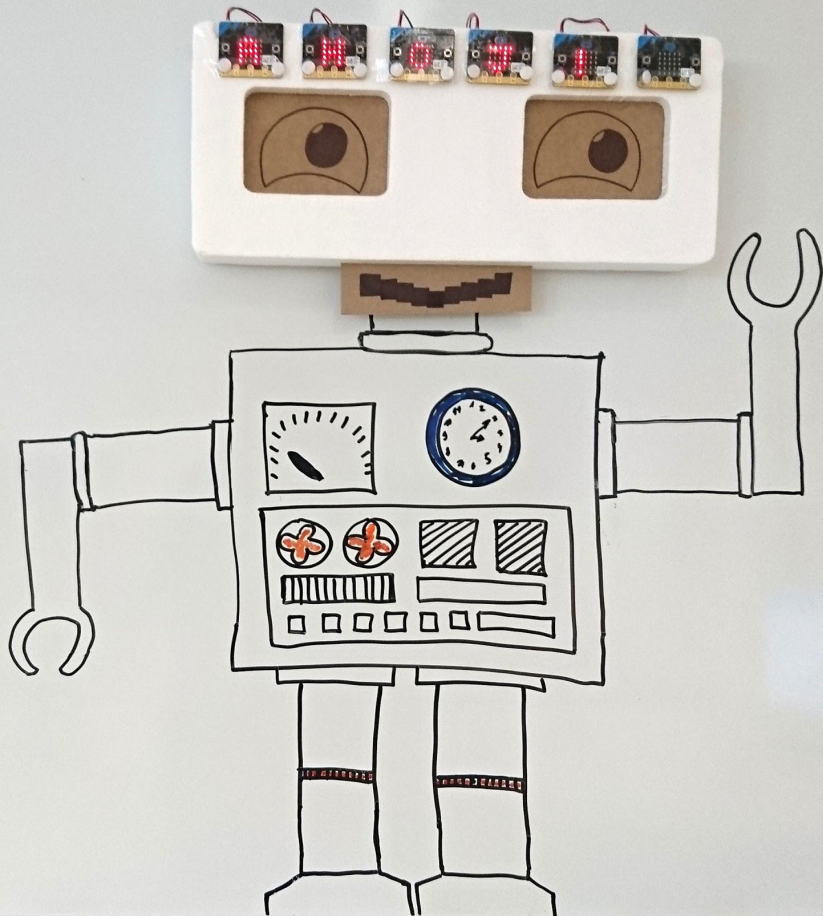




100 LED Gymnázia Elgartova

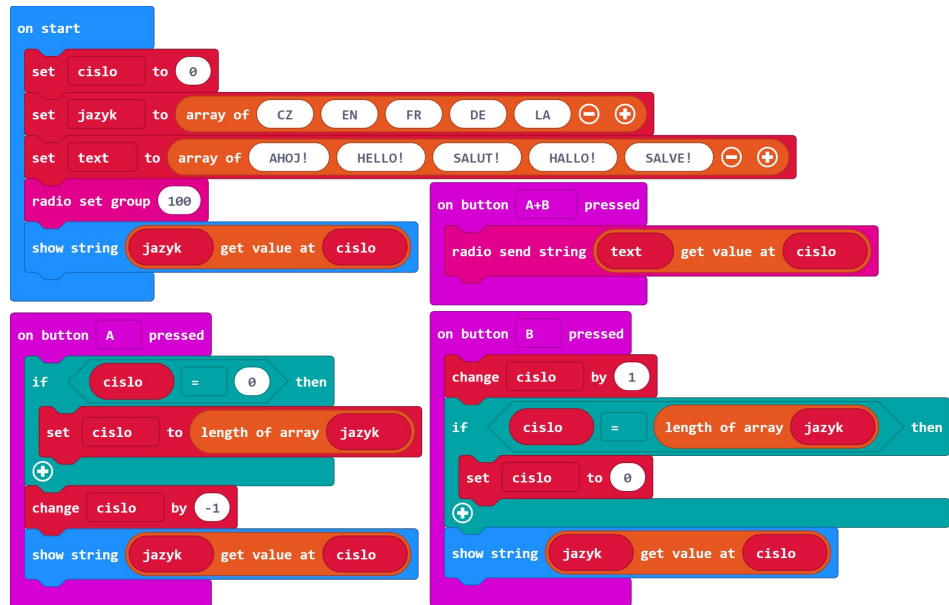
<https://www.microbiti.cz/2019/04/100-led-gymnazia-elgartova.html>



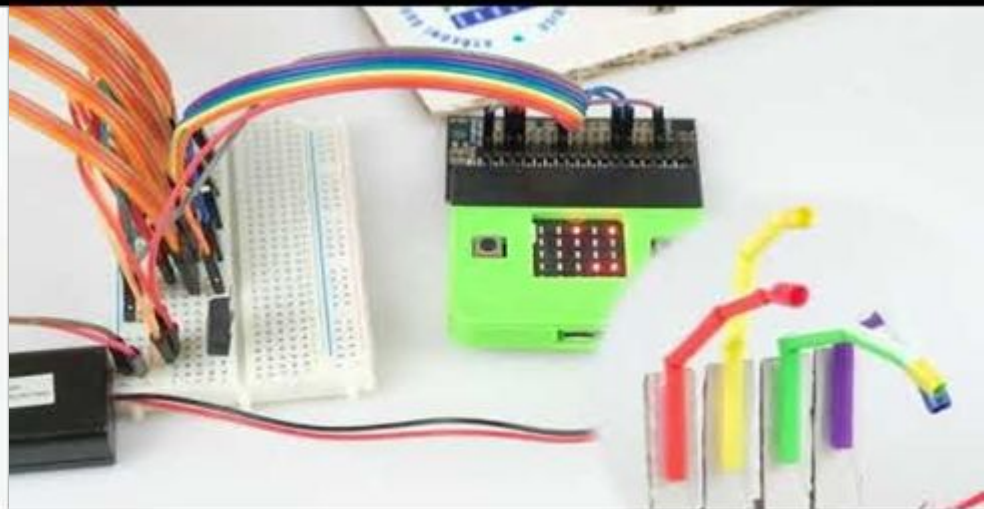
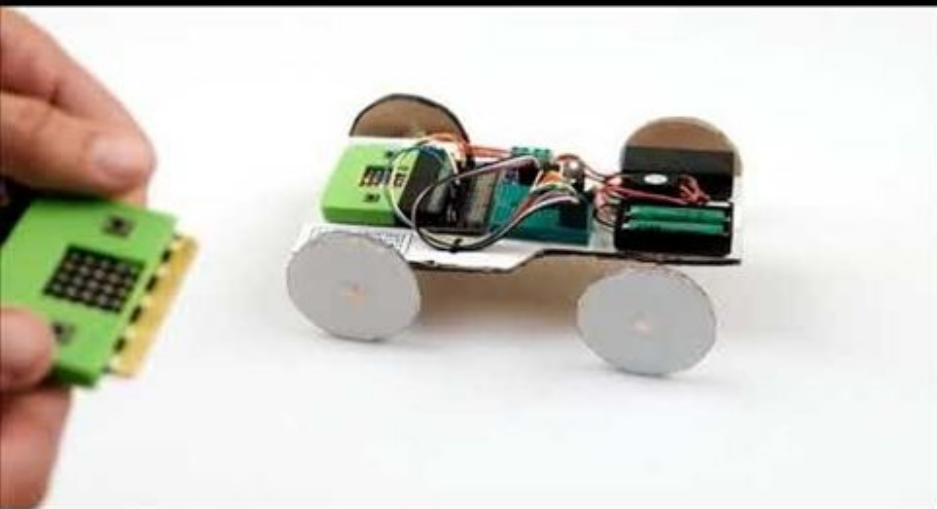


Pozdrav v pěti jazycích

<https://www.microbiti.cz/2019/04/pozdrav-v-peti-jazycich.html>



DELTA – SŠ informatiky a ekonomie, Pardubice



Dálkově ovládané autíčko a robotický prst

