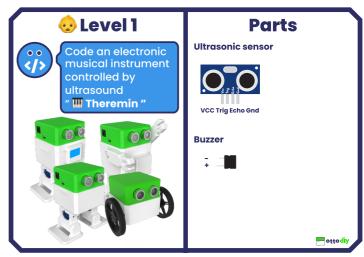


ottodiy coding cards challenge

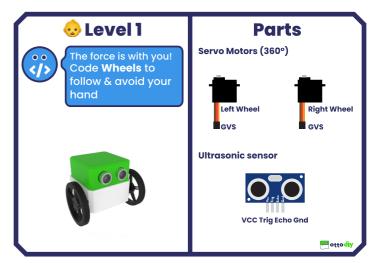


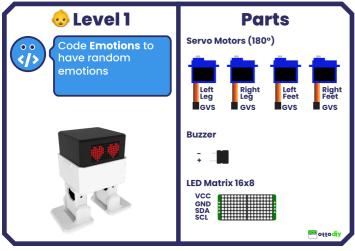














ottodiy coding cards solution

```
3 CS | 12 | 13 | distance (cm) | CS | 12 |

Buzzer Pin | buzzerpin * | Pay Es | Muss | GS |

12 | CS | | 10 | | 10 | distance (cm) | CS | 16 |

Buzzer Pin | buzzerpin * | Pay Es | Fast | GS |
Buzzer Pin | buzzerpin | Pay Bi Six | 23 |

Buzzer Pin | buzzerpin | Pay Bi Six | 24 |

Buzzer Pin | buzzerpin | Pay Bi Six | 24 |

Buzzer Pin | buzzerpin | Pay Bi Six | 23 |

Buzzer Pin | buzzerpin | Pay Bi Six | 23 |
```

```
Leg left 2 v right 3 v Foot left 4 v right 5 v 🗱 Buzzer 13 v
            ole dance v type (integer v to 0
Loop
```

```
# 1 v Ultrasound Pins Trigger 8 v Echo 9 v
     Pin left 2 right 3 v
C Loop
       (cm) # 1 v distance (cm)
      ③ Spin wheel Pin 〔2〕 speed ♂0-90 | ∪90-180 〔30〕
      ⑤ Spin wheel Pin № 3 speed ౮0-90 | ₺90-180 № 120
 ③ Spin wheel Pin 3 speed ♂0-90 | ⊖90-180 3 30
```

```
Mouth Pins CLK A1 · CS A2 · DIN A3 · rotate 0° ·
 Mouth () heart
 Mouth text [IAM OTTO]
      Sound (MIC) Pin A6 7 0-1023 7 2 7 500
    Mouth (U) happy1 🔻
    Rotate Servo Pin 6 angle [0°-180°] 60° 0 500
      Rotate Servo Pin 7 angle [0°-180°] 120° 500
Mouth (2) sad1 •
```

```
Setup

# 1 V Ultrasound Pins Trigger 8 V Echo 9 V
Pin left 2 right 3
       ○ Wheels  backward  Speed normal  step 1
⊙ if 10 < 1 № # 1 ■ distance (cm) < 1 15
     • Stop Pin • 3
© if 15 < 1 30 # 1 7 distance (cm) < 1 30
    Wheels forward Speed normal step 1
     ( ) # 1 T distance (cm) > 1 ( 30
     Stop Pin 3
```

```
OLED Pins I<sup>2</sup>C height 64 v 0x3C v
# 1 V DHT11 V Pin 10 V

    □ data X 0 Y 0 height 3 Print  #1 T DHT11  Heat Index °C T ✓ ■
 □ data X 0 Y 0 height 3 Print 1 DHT11 0 Temperature °C 1
 ata X 0 Y 35 height 3 Print 4 1 DHT11 A Humidity % V
```

```
Pins Leg left D8 v right D4 v Foot left D7 v right D3 v Arm left D0 v right 3 v Head 1 v
 Calibrate ° LLS 0 RLS 0 LLL 0 40 RLL 0 60 LLR 0 60 RLR 0 40
 Calibrate Speed FL 20 FR 20 BL 20 BR 20
□ Loop
Walk mode
  Walk forward
wait 300 milliseconds
 with power (1-100)% 100
wait 1 seconds
 ₹ Roll ● Stop
 wait 300 milliseconds
```