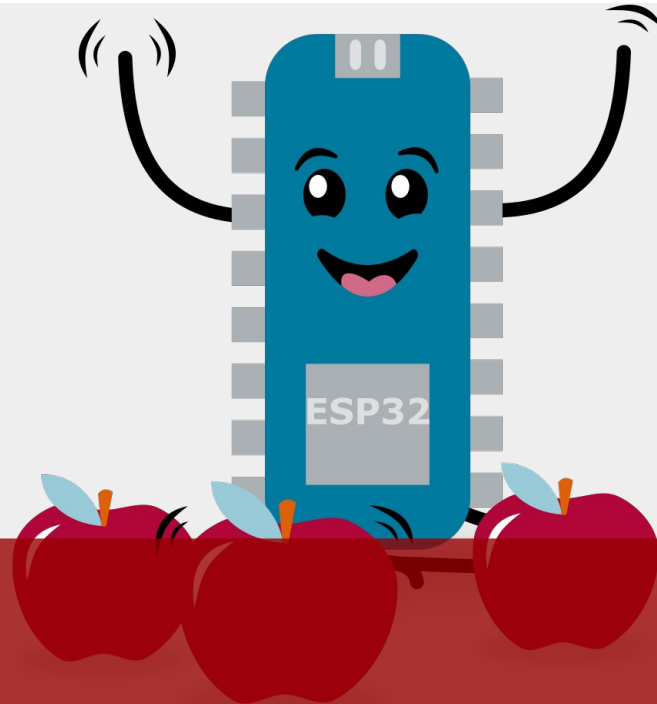


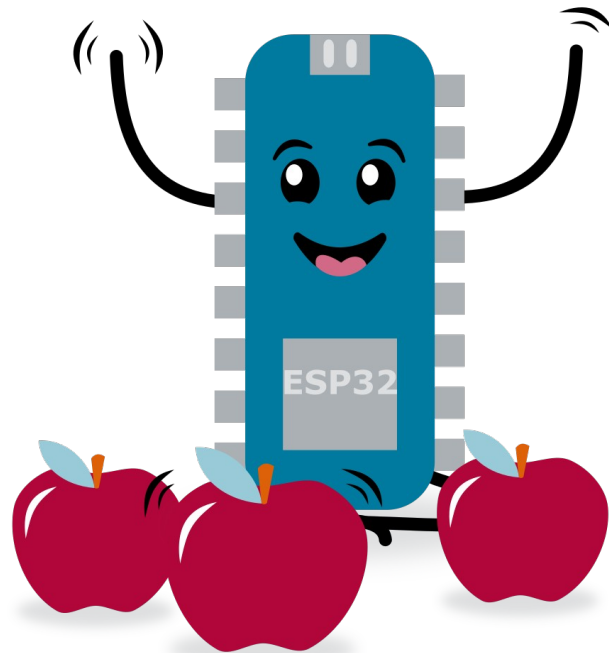


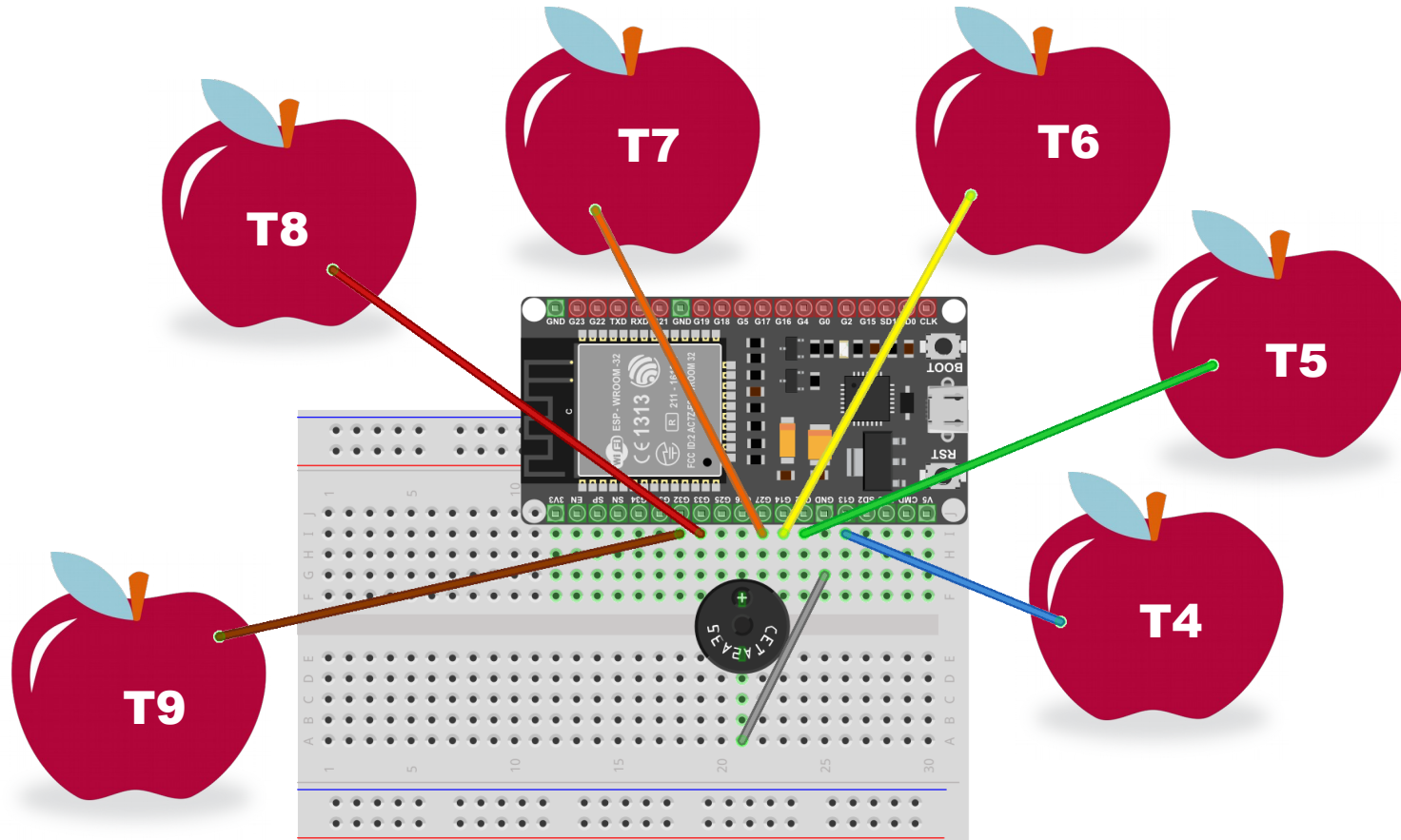
Apfel-Piano

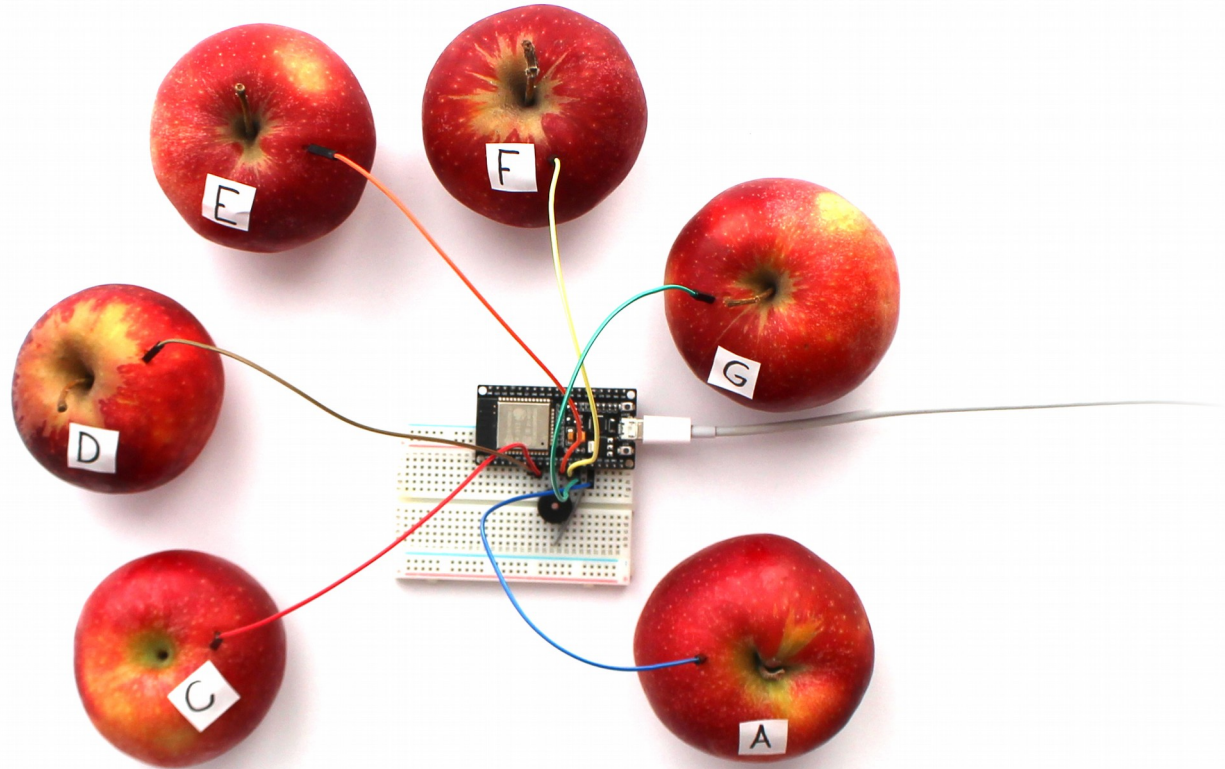
Woche 1 | Lektion 4

Materialliste:

- ESP32 Mikrocontroller (Touchsensoren)
- Steckplatine
- Summer
- 6 Jumperkabel
- 1 Steckbrücke
- 6 Äpfel







The visual programming interface shows a sequence of blocks for controlling a servo motor. The blocks are arranged in a vertical stack, starting with a 'when green flag clicked' event block, followed by a 'set servo position to 0 degrees' block, and then a series of 'wait 1000 ms' blocks. The blocks are color-coded: blue for event, purple for set, and yellow for wait. The servo motor is represented by a small icon at the bottom of the stack.

The JavaScript code editor shows the equivalent code for the ArduBlockly blocks. The code is as follows:

```

function whenGreenFlagClicked() {
  // when green flag clicked
  // set servo position to 0 degrees
  servo.setPosition(0);
  // wait 1000 ms
  delay(1000);
  // set servo position to 90 degrees
  servo.setPosition(90);
  // wait 1000 ms
  delay(1000);
  // set servo position to 180 degrees
  servo.setPosition(180);
  // wait 1000 ms
  delay(1000);
  // set servo position to 270 degrees
  servo.setPosition(270);
  // wait 1000 ms
  delay(1000);
  // set servo position to 360 degrees
  servo.setPosition(360);
  // wait 1000 ms
  delay(1000);
}
    
```



Hz	Aufwärts	Abwärts	100%,00
73	A6	a ³	1760,00
72	G#6/Ab6	gis ³ /as ³	1661,22
71	G6	g ³	1567,98
70	F#6/Gb6	fis ³ /ges ³	1479,98
69	F6	f ³	1396,91
68	E6	e ³	1318,51
67	D#6/Eb6	dis ³ /es ³	1244,51
66	D6	d ³	1174,66
65	C#6/Db6	cis ³ /des ³	1108,73
64	C6	c ³	1046,50

https://de.wikipedia.org/wiki/Frequenzen_der_gleichstufigen_Stimmung

- Sound bei bestimmten PINs nicht ganz aus (17, 18, 19, 21, 22, 23, 25, 26)
- Zu großer Apfel
 - > Wird schon als "Mensch" erkannt

