Hardware Interfacing

# Opdracht1

* 6x male to male draadjes
* 2x 220 Ohm weerstandjes
* Arduino Uno R3
* Breadboard

A circuit board with wires connected to it

AI-generated content may be incorrect.

<https://www.youtube.com/shorts/Eghh9yScfac>

# Opdracht 2

* Arduino Uno R3
* Breadboard
* 6x Ledjes
* 6x resistoren 220 Ohm
* 10 male to male kabeltjes

A circuit board with wires connected to it

AI-generated content may be incorrect.

<https://youtube.com/shorts/o65IgWz7IX0?si=ZoUzFKf7VuTw4z1z>

# Opdracht 3

* Arduino Uno R3
* Breadboard
* 8x male to male draadjes
* 2x 220 Ohm resitoren
* 1x 10k Ohm resistor
* 1x knopje
* 2x Ledjes

A circuit board with wires connected to it

AI-generated content may be incorrect.

<https://youtube.com/shorts/LvWVoMVgDA8?si=Jxt6ZpdRqo25iW8N>

# Opdracht 4

* Arduino Uno R3
* Breadboard
* 13x male to male draajes
* 1x potmeter
* 6x ledjes
* 6x 220 Ohm resistoren

A circuit board with wires connected to it

AI-generated content may be incorrect.  
<https://youtube.com/shorts/zFD8jeb9c_w?si=yzHBrGrkf8Shxpz4>

# Opdracht 5

* Arduino Uno R3
* Breadboard
* 2x knopjes
* 3x 10k Ohm resistoren
* 1x micro servo
* 11x male to male draadjes

A circuit board with wires connected to it

AI-generated content may be incorrect.

<https://youtube.com/shorts/jwCeJhN-DrE?si=HT_k3rl8Kuaj5U8N>

# Opdracht 6

* Arduino Uno R3
* Breadboard
* 2x knopjejs
* 2x 10k Ohm resistoren
* 12x male to male draadjes
* 1x i2c LCD screen

A circuit board with wires and a screen

AI-generated content may be incorrect.

<https://youtube.com/shorts/wySiPnMWmRY?si=XUPzv_ql9aqjPab3>