

DATA SHEET

NOVEMBER 2016

STEM SHIELD FOR ARDUINO - KIT

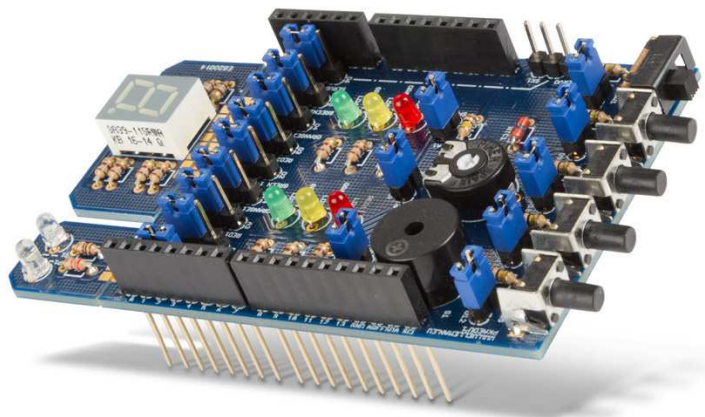
ORDER CODE: KAEDU

Learn how to program a microcontroller with this interactive Arduino® compatible STEM shield kit. It enables you to get immediate feedback of what you have programmed, be it lighting up LEDs, making sounds or playing a memory game. The STEM shield even has sensors so the possibilities are endless.

Accompanied with a suitable edu curriculum - coming soon!

FEATURES

- temperature sensor
- light sensor
- 7-segment display
- 2 stoplight simulations (6 LEDs)
- 4 tactile buttons
- 1 slide switch
- 1 potentiometer
- 1 sounder
- 1 servo connection
- 1 infrared LED
- all element dules are 'disconnectable' so the Arduino pins can by used freely
- a 'line follower' sensor can by made with the IR LED and light sensor
- the 7- segment and line follower module can be seperated from the main PCB
- fully Arduino compatible



OPTIONS

VELLEMAN NIBBLE - [KA0](#) or [VMA0](#) (microcontroller)

The STEM SHIELD was developped in cooperation with:



Introducing the KAEDU: STEM shield for Arduino!

Use the KAEDU: STEM shield to explore the world of Arduino, sketches, electronics and many more. This is the perfect beginners shield to use when following a STEM education.

