

D. Materials and Equipment

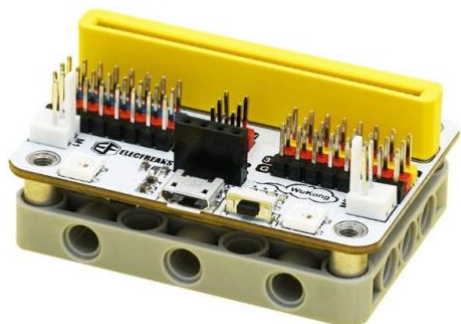
Suggested Competition Materials

The materials recommended for implementing the automations are those that have been supplied to schools through various robotics equipment programs over time and are **compatible with the software environments allowed** in this competition category. The materials are described in the tables below.

WeDo 2.0-Compatible Sensors and Actuators

745301 [Smarthub 2](#)745303 [Medium Motor](#)[745305 Tilt Sensor](#)745304 [Motion Sensor](#)777710 [Introduction to automation](#)777710R [Refill Pack για Οι πρώτοι μου Αυτοματισμοί](#)

Recommended Materials Compatible with the Micro:bit Processor



708207

[micro:bit Wukong Expansion Board Adapter](#)

Micro:bit expansion board featuring an integrated rechargeable lithium battery and a Lego-compatible mounting base. Supports DC motors, servo motors, and a variety of sensors.



729039

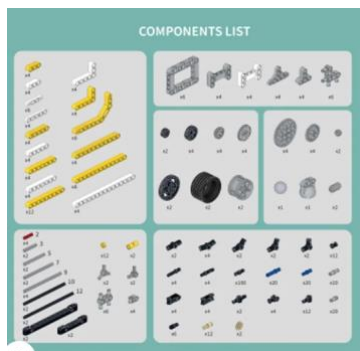
[Micro:bit v2](#)

708232

[NEZHA Inventor's kit for micro:bit](#)

708239

[32 in 1 micro:bit Wonder Building Kit](#)



708413

[micro:bit Space Science Kit](#)

708232R

[Bricks Set Nezha V1](#)

It includes approximately 400 mechanical building components and over 100 construction designs and example projects.

710155

[Geekservo 360 Degrees](#)

710156

[Geekservo Continuous rotation](#)

710154

[Rotating DC Motor](#)



PlanetX modules Nezha and TPBot compatible

Octopus Modules
Fully compatible with Micro:bit,
equipped with robust support software
and a universal 3-pin SVG (Signal-
Voltage-Ground) connector.