Robotic Solutions For Ages 12+

Knowledge Research

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Knowledge Research S.A. was established in 2000 to produce and distribute educational material for all stages of education.

The educational material is appropriate and useful for teaching and learning important subjects of Primary, Secondary, Technological, and Higher Education.

We note that the material we have chosen results from years of research by specialist scientists and educators.

We manage exclusive partnerships with the largest companies producing and distributing educational materials that are relevant and necessary for the teaching

Mathematics | **Science** | **Technology** | **Informatics New Technologies Robotics** | **Environmental Education**

Creating Education

Specialization, credibility, know-how, and state-of-the-art technologies are concepts identical to the name of Knowledge Research in informing and presenting educational material for Teachers, Students, Parents.

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Micro:bit v2

The new micro:bit V2 is the latest revision of everyone's favourite powerful palm-sized, and fully programmable computer. Conceived by the BBC to encourage children to get actively involved in writing software and building new things that will be controlled by it.
V2 is the same size, shape, and it works in the same way as the original micro:bit. So, if you have used the original then this will be instantly familiar to you.

SKU: 729039

micro:bit v2 starter:kit

Get creative, get connected & get coding with the micro:bit go. A complete set containing all the parts and inspirational ideas to get started with the micro:bit.

SKU: 700073

micro:bit Smart Science IOT Kit

Smart Science IoT Kit is developed based on IOT:bit, a new breakout board compatible with science sensors such as the ultrasonic sensor, dust sensor, light sensor, and water level sensor, including RTC Timing and WIFI module. You can gather data via the sensors and send data to the cloud with a more stable and accurate data analysis.

SKU: 708203

NEZHA Inventor's kit for micro:bit

NEZHA Inventor's kit for micro:bit is based on Planet X sensors. It contains multiple sensors and modules including LED, trimpot, soil moisture sensor, ultrasonic sensor, crash sensor, line-tracking sensor, etc., and also with over 400 pieces of bricks. We've built over 36 cases with this kit and the Interactive coding accessories pack aiming to cultivate and inspire kids' creativity and imagination. Make each kid be an inventor from Nezha Inventor's Kit!

SKU: 708232

6 IN 1 Ring:bit Bricks Pack

Ring:bit expansion board: A simple PCB for the micro:bit. (1)Extends the micro:bit's 3 GPIO ports. (2)Convert the P0/P1/P2 port to the common GVS port. (3) loaded with 3 pieces AAA batteries to drive the car or other accessories.

SKU: 708217

32 in 1 micro:bit Wonder Building Kit

micro:bit Wonder Building Kit focuses on the bricks expansions with 32 projects available in our WIKI, and it gives you more chances to create more projects. Packed
with different electronic sensors such as the Line-following sensor, the Sonar:bit and the Water level sensor, they enrich the projects with more challenge and fun.

SKU: 708239

Intro to Electronics kit

Intro to Electronics kit is a multifunction box experiment equipment which is based on professional experimental equipment and the actual physics learning situation. You will learn how to control physics circuit by programming.

SKU: 708200

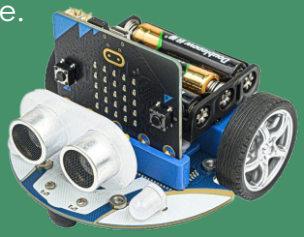
micro:bit Starter Kit (w/o micro:bit)

micro:bit Starter Kit is designed for children who are beginning to learn the electric circuit and programming knowledge. Students can use these micro:bit kits to create or complete more experiments, such as traffic lights, using photocell to control micro:bit screen or LED.

SKU: 708180

micro:bit Smart Cutebot Pro

micro:bit Smart Cutebot Pro Robot Car Kit is a programming robot for STEAM education, it equips with a 4-way infrared line-following sensor, an encoder motor, the LED rainbow light, an ultrasonic sensor, and other devices. With the encoder motors, the Cutebot Pro provides the flexibility to control the distance the cart travels and enables more precise control of the turning angle.



SKU: 708292

Gigo Micro:Bit Compatible Robots

THE PRODUCT INCLUDES:
Student workbook.
Teacher's guidebook (digital file available only).
Smart Manual Web Service.
Model operation video.
#1039 Multifunction sorting tray-A included.
Requires 6 AA/LR06 batteries – not included.

SKU: 941269

Micro:bit Smart Home Kit

Smart home Kit is a product about smart home projects based on micro:bitwhich is developed by ELECFREAK. We selected executed components commonly used at home as the TMP36 temperature sensor, sound sensor, crash sensor, servo, and motor. You can build scenes like windowsill, wardrobe, and fish tank, create yourself a smart sweet home and program to intelligently drive them using micro:bit. The smart home is what makes life more practical and playing with it is what makes life more interesting.

SKU: 708197

NEZHA Inventor's kit for Arduino

TheNEZHA Inventor's kit for Arduino is a programmable masterboard based on ATMEGA328P, it is loaded with the dual drive servo connections, the dual drive motor connections, and 8-way connections for sensors; all the sensor connections are in RJ11 type with fool-proof and anti-plug design; it is also loaded with Lego-compatible ports on the shells which make them possible to connect the modules with Lego bricks.

SKU: 708271

Education Robotics Core Set

This core set is optimized for classroom use and contains all you need to teach using the exciting Education Robotics Core Set. It enables students to build, program and test their solutions based on real life robotics technology.

SKU: 777740

micro:bit Smart Science IOT Kit

Smart Science IoT Kit is developed based on IOT:bit, a new breakout board compatible with science sensors such as the ultrasonic sensor, dust sensor, light sensor, and water level sensor, including RTC Timing and WIFI module. You can gather data via the sensors and send data to the cloud with a more stable and accurate data analysis.

SKU: 708203

Classroom Smart Home Kit

The Classroom Smart Home Kit includes components such as an IOT:bit expansion board, crash sensor, 180-degree servo, rainbow LED, noise sensor, light sensor, and OLED display. These components enable a wealth of functionality and work perfectly with the micro:bit board, allowing you to explore more interesting smart home creation projects.

SKU: 708297

Micro:bit Smart Agriculture Kit

The Micro:bit Smart Agriculture Kit has a well-selection of IoT:bit, DS18B20 temperature sensor, soil moisture sensor, water level sensor, PIR sensor, servos and etc., we could use it to build such themes as the smart insects repelling machine, the ecological greenhouse, the fish pond water level monitoring device and more, from which we can learn the modern agriculture and program and explore more possibilities to apply the information technology in agriculture.

SKU: 708254

Micro:bit Smart City Kit

The Smart City Kit has a well-selection of IoT:bit, DHT11 sensor, soil moisture sensor, water level sensor, sonar:bit, servos and etc., we could use it to build such themes as the smart parking lot, transportation network, and river level monitoring…, we can use it to learn more about the IoT and program, and more possibilities of the future city scenes are able to be constructed via it!

SKU: 708252

Micro:bit Smart Health Kit

1 x Sensor:bit - 1 x MO3 Alcohol Sensor - 1 x Cash Sensor
1 x Rainbow LED - 1 x PIR Sensor - 1 x DHT11 Sensor
1 x UV Sensor - 1 x Soil Moisture Sensor - 1 x Motor with Fan
1 x OLED Screen - 1 x EF92A 180° Servo - 1 x micro USB cable
Jumper wires

SKU: 708256

Gigo S4A Programming Blocks

The S4A Programming Blocks #1204 , is an Arduino Leonardo based platform, compatible with the S4A (Scratch yια Adruino) programming environment n nIt is an easy to use educational solution that provides little makers with the capability to design and build their own robots!

SKU: 941247

Wukong2040 Inventor's Kit For Raspberry Pi

The Wukong2040 Inventor's Kit is a kit developed for inventors learning to program electronics. It includes a multifunctional breakout board-the Wukong2040, designed for the Raspberry Pi Pico, as well as 11 different types of sensors and actuators to create a wide range of interesting and practical projects.

SKU: 708287

Large servo motor

SKU: 745502

Smart Home Material Pack

SKU: 708296

Nezha Board

SKU: 705043

Medium Servo Motor

SKU: 745503

Color Sensor

SKU: 745506

Interactive Coding Pack

SKU: 708236

Education Robotics Expansion Set

SKU: 777741

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+30 210 6779800 | sales@why.gr