

micro:bit Pathway · Sensor Kit

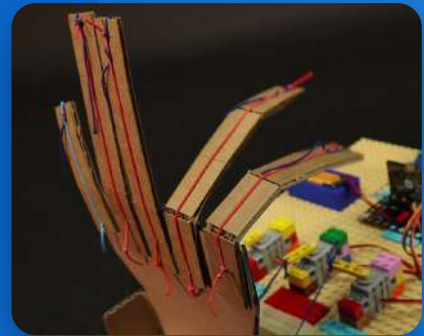
Applied Robotics with micro:bit

Intermediate Level

Ages 11+

micro:bit Sensors

Explore the micro:bit Sensor Programme and build on beginner skills using the micro:bit Sensor Kit, a modular board for wiring real components.



11+

AGE GROUP

24

SESSIONS

60 min

PER SESSION

3

MONTHS

3

PATHWAYS

micro:bit Kit

EQUIPMENT

Capstone

ASSESSMENT

Programme Overview

Discover the exciting world of sensors and digital creativity through hands-on wiring with the micro:bit.

Skills Students Gain

Digital Creativity

Computational Thinking

Sensor Wiring

Problem Solving

Collaboration

MakeCode Fundamentals

3-Month Learning Pathway

Students wire, program and combine sensors into their own working smart devices, learning real sensor logic, automation and device design.

1 Meet the Modules

Introducing all of the micro:bit Sensor Kit modules one at a time, so every block is understood before combining into projects.

2 Combining Modules into Devices

Pairing two modules on the expansion board to build the first working two-part devices.

3 Applied Builds & Capstones

Multi-session capstone builds combining several modules into a complete, demo-ready device.

Programme Details

Level
Intermediate

Duration
3 Months

Schedule
24 sessions · 60 min each

Location
Sport Society, Mirdif

Kit
micro:bit + expansion board + sensors

Includes
Capstone project + assessments

Build Real Projects · Learn by Doing · Think Like an Engineer

Wire. Code. Test. Build.

Enroll Now

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