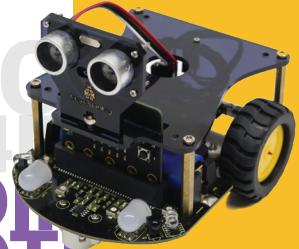


Apprentice course

Grades 4 – 5 (Ages: 8+)



MICRO:BIT
CODING
ROBOT
KIT



Learners will apply their block-based coding knowledge through practical activities.



Overview

This course is aimed at improving learners' coding and fundamental robotics skills. They will learn everything from the basics of coding to creating small stories, drawing complex shapes, and building their own games. Learners will also assemble a Micro:bit car and program it to follow a line, avoid objects, dance to its own music, and much more.


What's covered?




Scratch coding: fundamentals to game development


Micro:bit board: input, process, and output


Light, temperature, and tilt sensing


Micro:bit car: object avoidance, line-following, music-playing, remote control


An introduction to robots


Algorithms


Mechanical components of the Micro:bit car


Electronics etiquette

What's included in the kit?

Apprentice kit



Apprentice book