

micro:bit Pathway · First Steps

Robotics Foundations with micro:bit

Beginner Level

Ages 6+

micro:bit Coding

Discover the micro:bit Robotics course and introduce young learners to physical computing through hands-on building and block-based coding.



6+

AGE GROUP

24

SESSIONS

60 min

PER SESSION

3

MONTHS

3

PATHWAYS

micro:bit Kit

+ USB CABLE

Capstone

ASSESSMENT

Programme Overview

Discover the exciting world of digital creativity and computational thinking through hands-on building with the micro:bit.

Skills Students Gain

Digital Creativity

Computational Thinking

Circuit Logic

Problem Solving

Collaboration

MakeCode Fundamentals

3-Month Learning Pathway

No experience needed, students build and code their own micro:bit projects while learning MakeCode block programming, sensors, sound and wireless radio features.

1

Digital Foundations & First Builds

Getting comfortable with the micro:bit hardware and MakeCode editor through simple, fast builds.

2

Sensors, Sound & Wireless Play

Layering in temperature, sound, radio and timing features so builds react to the world around them.

3

Rhythm, Data & Creative Coding

Combining everything learned so far into expressive, data-driven, creative final builds.

Programme Details

Level
Beginner

Duration
3 Months

Schedule
24 sessions · 60 min each

Location
Sport Society, Mirdif

Kit
micro:bit + USB cable

Includes
Capstone project + assessments

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

Code. Build. Play. Create.

Enroll Now

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