

MICRO:BIT ROBOTICS COURSE

BEGINNER LEVEL

AGES 7-10

MICRO:BIT CODING

Discover the **Micro:bit Robotics Course** and introduce young learners to physical computing through hands-on building and block-based coding. No experience needed, students build and code their own **micro:bit projects**.



7-10

AGE GROUP

24

SESSIONS

60

MINS / SESSION

3

MONTHS
DURATION

3

LEARNING
PATHWAYS

KIT

MICRO:BIT KIT

✓

CAPSTONE
PROJECT

PROGRAM OVERVIEW

Discover the exciting world of **Digital Creativity and Computational Thinking** through hands-on building with the micro:bit.

Students build simple micro:bit projects while learning MakeCode block programming, sensors, sound, and wireless radio features.

3 MONTHS LEARNING PATHWAYS

- 1 Digital Foundations & First Builds**
Get comfortable with the micro:bit hardware and MakeCode editor through simple, fast builds.
- 2 Sensors, Sound & Wireless Play**
Layer in temperature, sound, radio, and timing features so builds react to the world around them.
- 3 Rhythm, Data & Creative Coding**
Combine everything learned so far into expressive, data-driven, creative final builds.

SKILLS STUDENTS GAIN

- ✓ Digital Creativity
- ✓ Computational Thinking
- ✓ Circuit Logic
- ✓ Problem Solving
- ✓ Collaboration
- ✓ MakeCode Fundamentals

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**

START NOW

ENROLL NOW FOR MICRO:BIT
STEM

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