



# Robotics COURSE

## BEGINNER LEVEL



AGES 06-11

SPIKE PRIME ROBOTICS

### Explore the LEGO Education SPIKE Prime Program

through exciting hands-on robotics.

Build, Code, and control your own robots while exploring motors , sensors smart mechanisms, line following and real-world engineering challenges.

BUILD.  
CODE.  
CREATE.  
SUCCEED.

06-11

AGE GROUP

24

SESSIONS

60

MINS / SESSION

3

MONTHS  
DURATION

3

LEARNING  
PATHWAYS

KIT

SPIKE PRIME KIT

✓

CAPSTONE  
PROJECT

### PROGRAM OVERVIEW

Discover the exciting world of **Robotics, Engineering** through hands-on building with LEGO SPIKE Prime.

Students build, program, and control their own SPIKE Prime robot while learning block-based coding, sensors, automation, and Smart Robot Challenges..

### 3 MONTHS LEARNING PATHWAYS

- 1 Building & Coding Foundations**  
Explore the SPIKE Prime Hub, build core mechanisms, and learn drag-and-drop coding.
- 2 Sensors, Data & Automation**  
Color, Distance & Force sensors, automated reactions, and real-world data science.
- 3 Advanced Robotics & Showcase**  
Multi-function robots, Autonomous missions and a final SPIKE Prime showcase.

### SKILLS STUDENTS GAIN

- ✓ Robotics Building
- ✓ Block-Based Coding
- ✓ Sensors & Automation
- ✓ Engineering Design
- ✓ Problem Solving
- ✓ Collaboration

### PROGRAMME DETAILS

Level: **Beginner**  
Duration: **3 Months**  
Schedule: **24 Sessions · 60 min each**  
Location: **Sport Society, Mirdiff**  
Kit: **SPIKE Prime Robot Kit + components**  
Includes: **Capstone Project**

START NOW

ENROLL NOW FOR SPIKE PRIME  
ROBOTICS

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BUILD REAL PROJECTS

LEARN BY DOING

THINK LIKE AN  
ENGINEER

BUILD TODAY.  
INNOVATE TOMORROW.