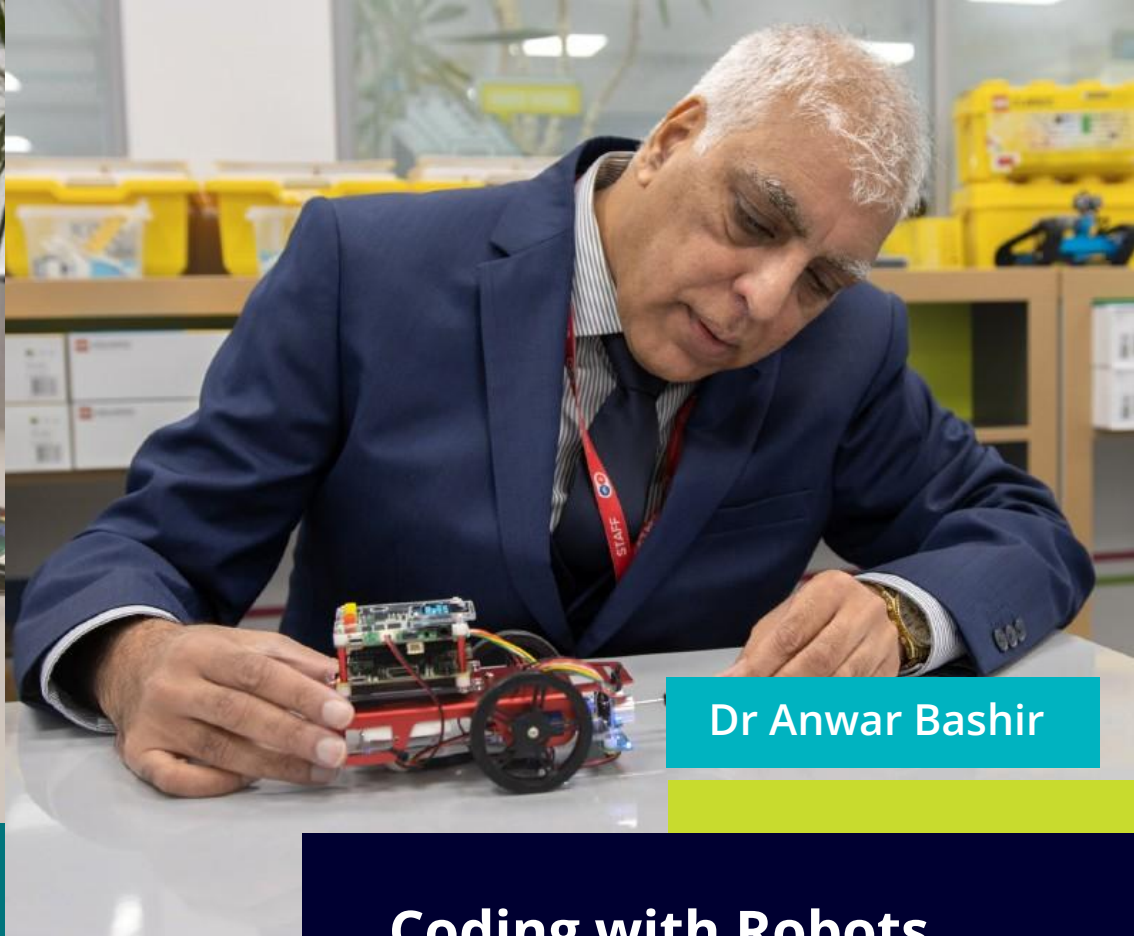


# Python 3 Coding

Coding in Python 3 is much more engaging when pupils are able to operate lights, sounds and motors.

The versatility of the Robotics kit makes it the ideal foundation for further learning and development.



Dr Anwar Bashir

## Independent Review

MagPi, issue 123

**Verdict**

A little expensive but a very complete package that offers a large number of functions for people to learn to code with.

**10/10**

“ One of the unique things about the Robotics kit is that there’s a full course of lesson.”

Rob Zwetsloot

For more details contact:  
[robotics@mbro.ac.uk](mailto:robotics@mbro.ac.uk)

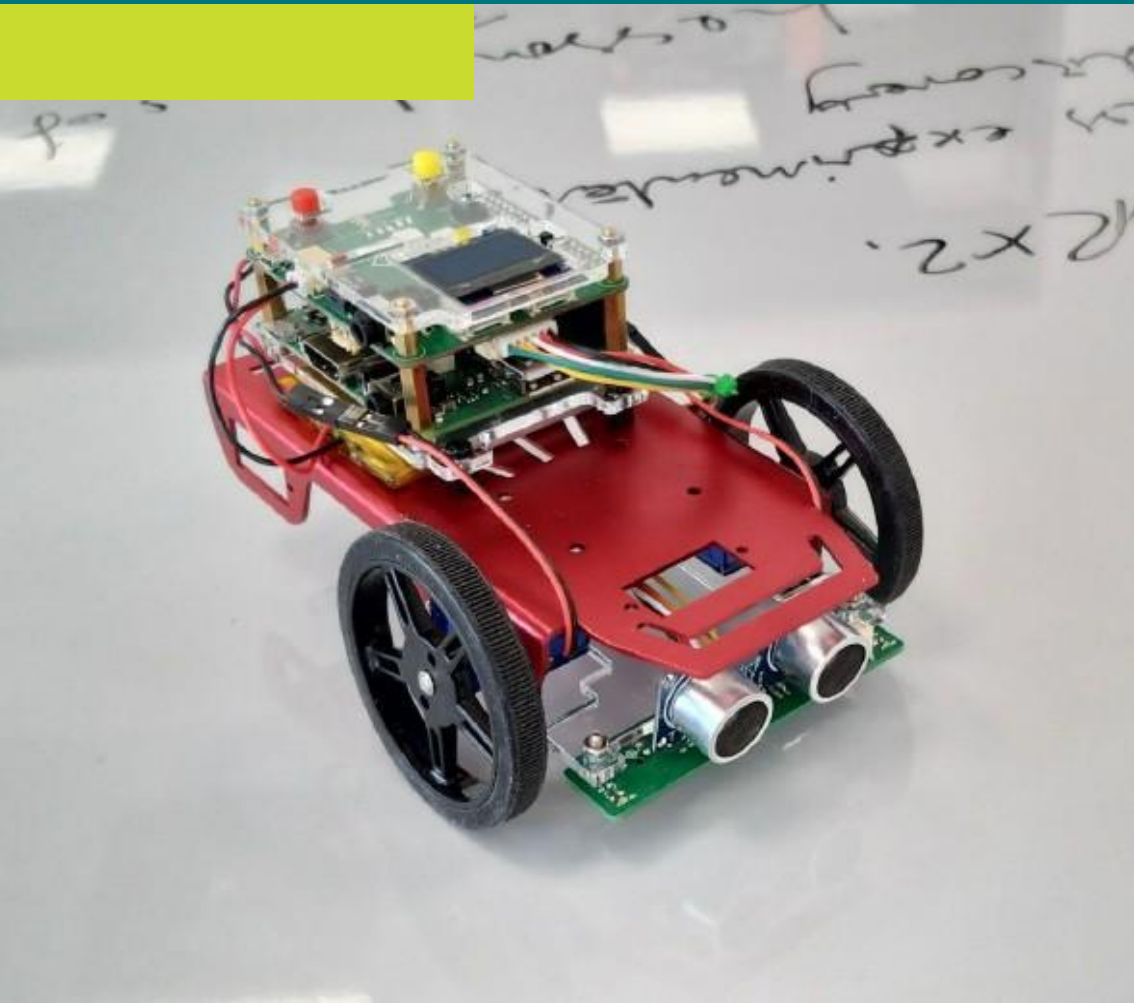
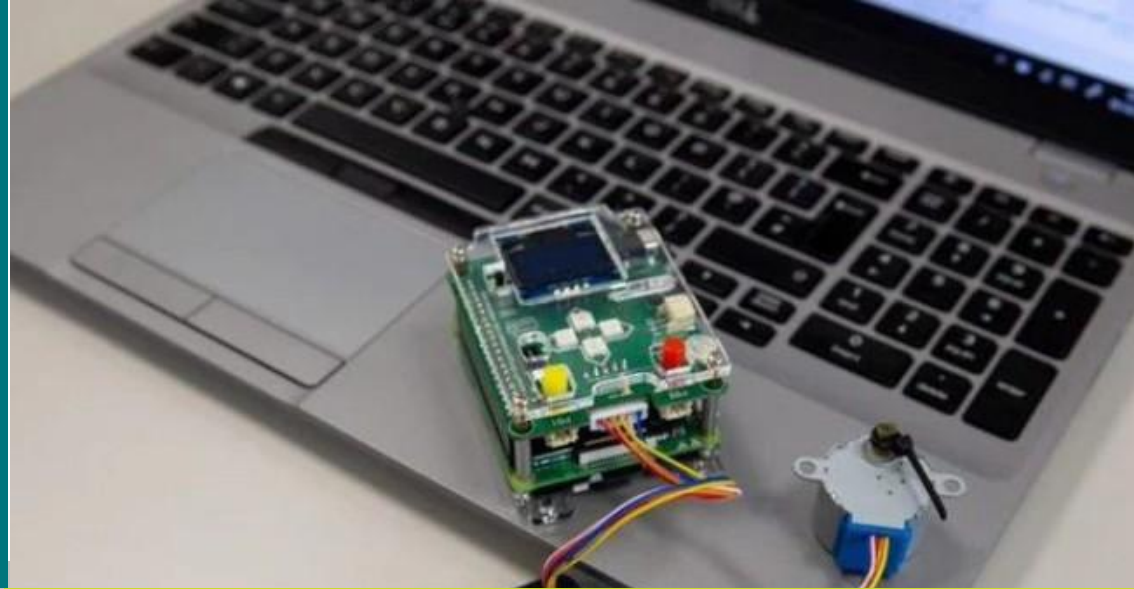
## Coding with Robots

Discover the fascinating world of programming with an innovative Robotics Starter Kit. Dr. Anwar Bashir, a member of the digital team at Middlesbrough College, has developed the kit, along with a comprehensive course that can be incorporated into your school's enrichment program.

## Course design

The 8 week course is designed to become part of your school's enrichment program. It caters to students from Year 7 to Year 11, focusing on the development of object-oriented coding in Python 3.

Pupils will collaborate in small teams and learn through hands-on experience.



The course includes workbooks for:

- Lesson 1 - Getting Connected,
- Lesson 2 - Start Coding,
- Lesson 3 - Coding Outputs,
- Lesson 4 - Coding Inputs,
- Lesson 5 - Coding the Motors,
- Lesson 6 - Avoiding Obstacles
- Lesson 7 - Following Lines,
- Lesson 8 - Objects and Libraries.

Each lesson/workbook has a duration of 1 hour.

Teachers have the freedom to incorporate the workbooks into their own lessons.

## Resources

All the resources for the course including the Robotics Kits and Workbooks are supplied by Hypersmart Ltd, see <https://hypersmart.co.uk>.