Use an IDE to write Python programs for the micro:bit.

Design a physical computing artifact purposefully.

Write programs that use the GPIO pins for input and output.

Write programs that use the micro:bit's built-in input devices.

List the built-in components for output and input.

Write programs that interact with the physical world.

Combine components to solve meaningful problems.

Text and debug Python programs for the micro:bit.

Test and debug Python programs for the micro:bit.

Write programs that use the micro:bit's built-in output devices.

Combine features to develop solutions to meaningful problems.

Use variables and data structures to keep track of information.

Call functions and use the results they return in expressions.

Use an IDE to write and execute a Python program.

Locate and correct common syntax errors.

Use selection and iteration to control program execution flow.

List the built-in components for output and input.

Describe what the micro:bit is.

Write programs that exchange messages wirelessly.

Write programs that use the micro:bit's built-in output devices.

Write programs that use the micro:bit's built-in input devices.

Locate and correct common syntax errors.