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The British Broadcasting Corporation Microcomputer System, or BBC Micro, is a series of microcomputers and associated peripherals designed and built by the Acorn Computer company in the 1980s for the BBC Computer Literacy Project, operated by the British Broadcasting Corporation. Designed with an emphasis on education, it was notable for its ruggedness, expandability, and the quality of its operating system. An accompanying 1982 television series, The Computer Programme, featuring Chris Serle

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The micro:bit is a small nRF51-powered learning platform for kids - you can use it with Microsoft MakeCode (drag-n-drop block programming or Javascript), micropython, or mbed. But we really like using the Arduino IDE, especially since there's thousands of existing projects you can use and

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The version of Python that runs on the BBC micro:bit is called MicroPython. It is designed to run on small microcontroller boards like micro:bit. Coding with the On-line Python Editor

The easiest way to program the BBC micro:bit is through the online Visual Programming based block editor. The drag and drop feature is a great way to introduce programming and logic building to beginners. Text based programming languages are best suited for those who want to learn more about programming. For people familiar with python, [...]

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Written in the straightforward style that Dr. Simon Monk is famous for, Programming the BBC micro:bit: Getting Started with MicroPython begins with basic concepts and gradually progresses to more advanced techniques. You will discover how to use the micro:bit's built-in hardware, use the LED display, accept input from sensors, attach external electronics, and handle wireless communication.

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The BBC micro:bit is a small (52 x 42 mm) microcontroller board intended for fun and connected applications. On the component side of the board we find a Nordic nRF51822 ARM Cortex-M0 microcontroller with integrated Bluetooth Low Energy (BLE) radio, a 3D accelerometer (NXP MMA8652), a 3D magnetometer (NXP MAG3110) and an extension connector.

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Other programming languages for the BBC micro:bit: Free Pascal (instructions). Simulink (Simulink Coder Support Package for BBC micro:bit Board) Provides access... C++ (programming language) (instructions). Forth (programming language) (instructions). Lisp (programming language) (...

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A Blocks / JavaScript code editor for the micro:bit powered by Microsoft MakeCode.

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Getting Started With C/C++ On The Micro:bit

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Compiling translates code from high level programming languages like Javascript and Python to low level machine code that the micro:bit can interpret. When you download a file from one of the editors, it is compiled in the browser and downloaded as a.HEX file.

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