

technocamps

Inspiring | Creative | Fun
Ysbrydoledig | Creadigol | Hwyl



Microbots Top Tips



BASIC is an easy to learn programming language which is widely used for both professionals and non-professionals. BASIC stands for “Beginners All-purpose Symbolic Instruction Code” and is free to use on either Windows, Mac or Linux. It was initially designed to help students studying other subjects outside of STEM to learn more about computers and in particular, programming. BASIC also leads nicely onto more advanced programming languages, such as FORTRAN.

There is also a “Small BASIC” available as an introductory language specifically aimed at a younger audience, where the coding environment is very similar to that of BASIC but with a smaller range of libraries to implement.

What is PICAXE?

PICAXE is a small micro-controller, considered the “brain of any electronic project”. It is cheap to purchase and very easy to begin programming on. These are used to build electronics projects, as they can react to input sensors and switch outputs on and off accordingly.

You can learn more about PICAXE and find out what you can do with it on:

www.picaxe.com

BASIC commands

Command	Description
high	Switches an output pin on.
low	Switches an output pin off.
backward	Drives a motor backwards.
forward	Drives a motor forwards.
halt	Halts a motor.
switch	Switches an output on or off.
button	Detects and debounces a button push.
touch	Reads a sensor status.
pause	Delays for a number of milliseconds.
wait	Delays for a number of seconds.
goto	Continue to program execution from a named label.
let	Performing a mathematical calculation.
resume	Resume executing a suspended program task.
suspend	Suspend a task.

Dont' forget to send us pictures or videos of your robot!
We may even feature it on our website or Facebook page!

technocamps



www.technocamps.com



@Technocamps



Find us on
Facebook

