

# COMPUTER CODING

## What is it?

Computer coding or programming is the science of giving computers instruction so that they can do a task. Computers don't understand anything about what they do and need instructions from a human to do it.

An example would be getting a computer to count, a very easy task for human. A computer needs to be told where to start where to stop and how much to add to each previous value.

It can go from very simple tasks like counting up to very complex instructions like controlling a rocket flight, the internet, Artificial Intelligent self learning systems or controlling robots in a car factory.

Computers are everywhere and will affect your life whether you like it or not. The ability to control and program computers will be one of the most important and sought after jobs

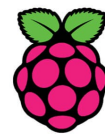
## Why should I do it?

Look at the world we live in today. Everyone is using computers all the time. Our industries, transport, farming, communication, education, healthcare are all managed by computers and completely dependant on them There isn't a job today that does not use computers somewhere. If you want to give yourself a leg up in the world of your future and get prepared for a career computer coding is the right choice.

## What will I learn?

If you chose the computer coding option you will be learning how to program computers and solve problems. You will learn to think for yourself and apply different skills and ways of handling codes so that the computers do what you want.

You will learn how to program using different techniques and skills like flowcharts, Raspberry Pi (a mini computer the size of a pack of cards), python, microbits and possibly even making your own app.



RaspberryPi

