

Introduction

So, before we get going there are a couple of things that need to be said.

I'm not going to mollycoddle you in this series and I encourage you to use the vast resources of the Internet to expand on anything I mention if you want to learn more. I'm also not going to include external URL links to pages as so often the darn things disappear.

The Internet is awash with information and it would be foolish to start reproducing it here, so I'm also not going to spend chapters explaining what a resistor is or how a capacitor works. Google is your friend. [I will however try and give you useful keywords or search phrases and they will be in this blue colour.](#)

What I will do is guide you down a path, introduce you to some ideas and concepts and leave it to you to research in greater detail on your own the bits that interest you. Feel free to stop off and explore the surrounding areas, play and experiment whilst moving as far away from the path as you feel comfortable with. The path will still be here when you are ready to move on.

Throughout the series I will ask questions and set you little challenges (and some not so little) to help you consolidate ideas and things we've been talking about. I really do suggest you have a go at them and if you find yourself struggling, then go to the Internet for more research.

However, as a great man once said:

“Don't believe everything you read on the Internet”

Benjamin Franklin – 1651

Quick questions or tasks can be found in these blue boxes, with the answers or explanations to these usually found in the text following on after this box.

More complicated tasks can be found in these orange boxes. They are usually more complex and will help you consolidate your learning whilst putting your new knowledge to practical use.

Danger... Danger Will Robinson

Warnings of impending doom and destruction, or more usually common pitfalls will be in these red boxes.

Take heed... you've been warned.