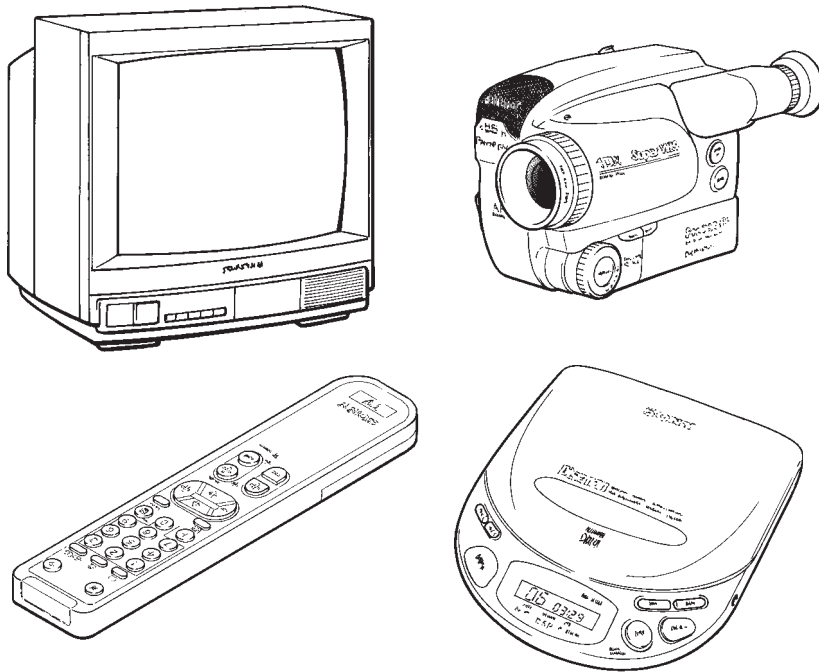


# INTRODUCTION

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In only a few years electronics has completely transformed the world in which we live. Televisions, radios, and computers, for example, are all electronic devices - and all have been developed within the lifetime of older people living today. Advances in the way we make electronic components and circuits have made things cheaper and commonplace. The computing power of a cheap calculator now is equal to the power of a much larger machine which - when your parents were your age - might have cost many thousands of pounds!



Electronic devices and systems are all around us - in toys, washing machines, 'Walkmen' etc. You can probably name ten more examples without thinking too hard about it.

This book will introduce you to the world of electronics by looking at some important electronic components and how they can be put together to perform useful tasks. Designing and making electronic circuits is not difficult once you understand what components do together with a few basic rules.

## ◀ NOTE

Four of the circuits described in this book are available on the 'Crocodile Clips' demonstration disc. This allows component values, etc, to be changed on screen and results noted. The two circuits involving a FET and phototransistor cannot be simulated at the moment.

See Study File 1a.

