

Victoria Wright and Denise Taylor

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ICT

Coursebook

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Introduction

When we wrote this book our main aim was to provide material to cover the new Cambridge IGCSE ICT syllabus (0417), but we also wanted to include current interesting examples of ICT usage to invite you to find out more by carrying out your own research. The constant change in the field of ICT has made this edition of the textbook imperative. There are many overlooked aspects of the subject that are clarified by examples shown in the screenshots of the practical chapters. In addition, there are new perspectives on familiar aspects of ICT in this edition.

Content

The book is entirely based around the 0417 syllabus, which it follows in the same order chapter by chapter. The first 11 chapters contain the theory, research topics and some exercises that you can carry out either on your own or with your class. Chapters 12 to 21 are the practical chapters to help you to carry out tasks that include creating a variety of publishing documents, modelling using spreadsheets, writing websites and using a database. Practical exercises for chapters 12 to 21 have been supported with examples from the CD ROM.

Focus of the book

This book will help you to work through your course and give you the opportunity and the support to carry out research, use independent thinking and gain new skills following a structured path.

Throughout this book you will gain background knowledge to help you to answer the types of questions and understand the practical techniques that you will meet in your studies.

To support your learning, many of the chapters include examination-style questions.

Focus on you

One of the advantages of this book is that it does not contain anything outside the syllabus for your course so you will know that everything in the book is important for your study. The discussion topics suggested for you will also encourage you to think independently and to arrive at your own answers after studying the issues and listening to others.

This book is therefore aimed at teaching you underlying skills, which you will be able to apply during your course and afterwards in your subsequent studies.

We hope that you will enjoy using this book to help you throughout your course.