

### Introduction

### Scheme of work

#### Section 1: Theory of computer science

- Chapter 1** Binary systems and hexadecimal
- Chapter 2** Communication and internet technologies
- Chapter 3** Logic gates and logic circuits
- Chapter 4** Operating systems and computer architecture
- Chapter 5** Input and output devices
- Chapter 6** Memory and data storage
- Chapter 7** High and low level languages
- Chapter 8** Security and ethics

#### Section 2: Practical problem-solving and programming

- Chapter 9** Problem solving and design
- Chapter 10** Pseudocode and flowcharts
- Chapter 11** Programming concepts
- Chapter 12** Data structures: arrays
- Chapter 13** Databases

### Paper 1 examination-style questions and commentaries

### Paper 2 pre-release material

### Answers to workbook

### Help

### Licence

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## Binary systems and hexadecimal

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1 Binary systems and hexadecimal

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Answers

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## 2

## Communication and internet technologies

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2 Communication and internet technologies



Answers

3

## Logic gates and logic circuits

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3 Logic gates and logic circuits

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Answers

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## 4

### Operating systems and computer architecture

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4 Operating systems and computer  
architecture

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Answers

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5

## Input and output devices

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5 Input and output devices

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Answers

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6

## Memory and data storage

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6 Memory and data storage

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Answers

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7

High and low level languages

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7 High and low level languages

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Answers

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## Security and ethics

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8 Security and ethics

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Answers

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Problem solving and design

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Answers

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Pseudocode and flowcharts

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Answers

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## 11

### Programming concepts



Answers



Note on program files

Program files:

Activity\_11\_2.html

Activity\_11\_2.py

Activity\_11\_4.html

Activity\_11\_4.py

Activity\_11\_5.html

Activity\_11\_5.py

Example1.html

Example1.py

FixedIteration.html

FixedLoop.html

FixedLoop.py

HelloWorld.html

HelloWorld.py

HelloWorld.sb

Highest.py

Iteration.py

IterationFixed.py

Question3.py

Question5.html

Repetition.html

Selection.html

Selection.py

Sequence.html

Sum.py

VarLoop.html

While.py

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Data structures: arrays



Answers

MultipleArrays.html



Note on program files

MultipleArraysLoop.html

Program files:

Array.html

Array.py

FixedLoopArray.py

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## Problem solving and design

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Answers

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Note on program files

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Program files:

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CubScout1.accdb

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## Paper 1 examination-style questions and commentaries

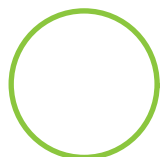
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Paper 1 examination-style questions



Expected responses and commentary to  
Paper 1 examination-style questions



Paper 2 pre-release material

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Teacher's notes

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Student's checklist

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