Y12 Programming and Problem Solving

The Student Workbook has lots of problems and exercises. We have sorted these into those that are required, optional and extension.

Required - you must do these if you are to understand the concepts

Optional - doing these will reinforce your understanding

Extension - these include further or more difficult concepts

## Chapter 1

### Required

All the exercises

## Chapter 2

Pages 14 and 15 Expressions and formatting

### Required

Exercises: 1, 2, 3, 6, 7, 9, 11a, 11b, 13, 16, 19

### Optional

Exercises: 4, 8, 10, 14, 15, 16ext,, 17, 18, 20, 22

### Extension

Exercises: 5, 12, 21, 23

## Chapter 3

### Required

Exercises: 1, 2, 4, 5 ,7

Optional

Exercises: 3, 5, 8

### 

### Extension

Exercises: 6,9

## Chapter 4

### Required

Exercises: 1, 4, 6, 7

### Optional

Exercises: 2, 3, 8

### Extension

Exercises: 5, 9

## Chapter 5

### Required

Any “Try this Exercise” in class and at home, 1, 2, 5, 8, 10

### Optional

Exercises: 3, 6, 9, 11, 12

### Extension

Exercises: 4, 7, 13

## Chapter 6

### Required

Exercises: 1, 5, 7, 10

### Optional

Exercises: 2, 6

### Extension

Exercises: 3, 5, 8, 10

## Chapter 7

### Required

Exercises: 1, 2, 6

### Optional

Exercises: 3, 5

### Extension

Exercises: 4

## Chapter 8

### Required

Exercises: 1

### Optional

Exercises: 2, 3, 4

### Extension