

## OCR L2 Cambridge Technical Diploma in IT

Responsible Team:                      Computing

<b>Module Title:</b>	<b>Developing Programming Solutions</b>	<b>Internal Verifier:</b>	<b>S. Terry</b>
<b>Module Tutor:</b>	<b>J. Terry / J. Warland</b>	<b>Course Code:</b>	<b>FL2ECICTX</b>
<b>Assignment Title/No:</b>	<b>Assignment 1/4</b>	<b>Unit No:</b>	<b>27 (J/505/5214)</b>
<b>Submission date/week:</b>	<b>13/10/17</b>	<b>Hand out Date:</b>	<b>18/09/17</b>

### Submission instructions

- To be submitted electronically via Cloud using links provided by 23:55 on 13<sup>th</sup> October 2017.

### Learning Outcomes

- Understand appropriate programming languages for a proposed solution

### Tasks

#### **Aylesbury IT Solutions Ltd.**

Aylesbury IT Solutions Ltd. is a local company specialising in developing applications for desktops. They have recently employed you to build applications for their business customer solutions department.

Your programming task will be to create a graphical application to work within a Microsoft Windows environment.

Aylesbury College has approached Aylesbury IT Solutions to create a small application to calculate the results of students in examined units. The application should be able to turn marks into grades and be able to show the percentage of students gaining each grade.

The initial set of marks will be provided in a file, which should be loaded into the program before the calculations are made.

## TASK 1 (P1)

Before you start working on your program, the company have asked you to explain your choice of programming language to create your solution. Also, do consider others that would be suitable.

This work should be in the form of a report and take into account the size of project, choices of languages available to you, appropriate level of language, intended use etc. Your report should be about a page in length.

**Evidence: Written document uploaded electronically to Cloud.**

## TASK 2 (M1)

The company is concerned that in the future, people will still be able to make modifications to your code without problems.

Explain how your chosen programming language will be suitable for future expansion or enhancement.

**Evidence: Written document uploaded electronically to Cloud.**

### Format for submission

The assignment should be submitted electronically using Cloud. The file format should be Microsoft Word or PDF.

### Suggested Methods

You should use Microsoft Word, Google Docs or equivalent wordprocessing software.

### Assessment Criteria

Learning Outcome (LO)	Pass	Merit	Distinction
	The assessment criteria are the pass requirements for this unit.	To achieve a merit the evidence must show that, in addition to the pass criteria, the learner is able to:	To achieve a distinction the evidence must show that, in addition to the pass and merit criteria, the learner is able to:
The learner will:	The learner can:		
1 Understand appropriate programming languages for a proposed solution	P1 explain the choice of programming languages for a proposed solution	M1 explain how the chosen programming language will be suitable for future expansion or enhancement	