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| G:\Brooke Weston Logos\Bitmap Images\Logo Only\BW Logo 2007 Shape GIF.gif | **Brooke Weston Academy**  OCR Level 3 Nationals in ICT  **Unit 06 – Advanced Databases** |

##### Unit 06 – Structured Study Lesson for Week 3

**Lesson plan guidance: Week 3 (AO1)**

**Area of the Specification:**

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| **Assessment**  **Objective** | **Pass** | **Merit** | **Distinction** |
| **AO1**  Design a relational database to meet the needs of an organisation | Candidates produce a design for a working relational database.  The design includes purpose, audience, at least three tables showing the entities and attributes and an ERD diagram.  The entities and attributes **may not** be correct.  The database design may be normalised to 3rd normal form.  There will be **some** attempt to define the data validation required. | Candidates produce a design for a working relational database.  The design includes purpose, audience, at least three tables showing the entities and attributes, ERD diagram, user interface and forms.  The entities and attributes are **appropriate**.  The database design is normalised to 3rd normal form.  **Most** of the data validation required has been defined. | Candidates produce a design for a working relational database.  The design includes  purpose, audience, at least three tables showing the entities and attributes, ERD diagram, user interface, forms and reports.  The entities and attributes are **all** correct.  The designs for reports are for reports both printed and on screen.  The database design is correctly normalised to 3rd normal form.  **All** of the data validation required has been defined. |

**Lesson related objectives:**

Students to be able to:

1. Design a database system that could be used by a third party
   1. Illustrate the possible functions/features the system could use
   2. Consider the needs of the client base on the scenario

**The Task: (make use of the PowerPoint and any other Word or PDF documents provided)**

Refer to the Database Activities (Task 2)

***Task 7 (P / M / D)* –** Design a user interface to access all parts of the database

***Task 8 (P / M / D****)* – Design a variety of forms for adding and amending data within the Database

***Task 9 (P / M / D)*** – Design a variety of reports for both printed and on screen

* Remember to annotate all your designs

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| This is a homework task and you are expected to spend at least an hour on it. |

**What you should do (additional guidance):**

In preparation for next week, you need to do the following:

1. Based on the data dictionary designs (AO1) for the tables within your database, create them using an appropriate software