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| http://www.cooperstc.com/index_htm_files/25897.png | **Coopers**  Cambridge TEC (Certificate/Diploma) in IT  **Unit 27 - DIGITAL GRAPHICS** | Student Name:­­­­ **Grade Awarded by:**  **Date Awarded: \_\_\_\_\_\_\_\_\_\_** Grade: PASS/MERIT/DISTINCTION |

##### Unit 27 - Assignment Checklist - DD-MM-2013

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| **TASKS & LEVEL** | **ACTIVITIES** | | | | | | | | | | | **STUDENT** | | **STAFF** |
| **LO1 - Know the hardware and software required to work with graphic images** | | | | | | | | | | | | | | |
| **P1.1 – Task 01** | Describe the technology behind Scanners and discuss the advantages and disadvantages of this technology in Image gathering. | | | | | | | | | | |  |  | |
| **P1.1 – Task 02** | Describe and Compare the technology behind Digital and SLR cameras with reference to ISO, Aperture and f-Stop and discuss the advantages and disadvantages of this technology in Image gathering. | | | | | | | | | | |  |  | |
| **P1.1 – Task 03** | Describe and Compare the technology behind Graphics Tablets and discuss the application, advantages and disadvantages of this technology in image creation and manipulation. | | | | | | | | | | |  |  | |
| **P1.2 – Task 04** | Describe and Compare the technology behind Monitors and discuss the application, advantages and disadvantages of this technology in Image output and management. | | | | | | | | | | |  |  | |
| **P1.2 – Task 05** | Describe and Compare the technology behind Printers and discuss the application, advantages and disadvantages of this technology in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.2 – Task 06** | Describe and Compare the technology behind Plotters and discuss the application, advantages and disadvantages of this technology in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.2 – Task 07** | Compare the technologies behind PC’s and Apple Computers as a platform for Graphics Editing and discuss advantages and disadvantages of these platforms in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.3 – Task 08** | Describe the internal hardware of computers and their function for Graphics Editing and discuss advantages and disadvantages of these platforms in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.3 – Task 09** | Describe the different graphic editing options and their advantages and disadvantages in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.4 – Task 10** | Describe and compare the different image processing packages available and their advantages and disadvantages in Image output and presentation. | | | | | | | | | | |  |  | |
| **P1.5 – Task 11** | Describe the purpose of availability of sourced and pre-selective materials and their advantages and disadvantages in Image output and presentation. | | | | | | | | | | |  |  | |
| **LO2 - Understand types of graphic images and graphical file formats** | | | | | | | | | | | | | | |
| **P2.1 – Task 01** | State and define the difference between Vector and Bitmap with chosen examples. | | | | | | | | | | |  | |  |
| **P2.2 – Task 02** | Define and compare Lossy and Lossless Compression in terms of image files with chosen examples. | | | | | | | | | | |  | |  |
| **P2.3 – Task 03** | Research and Discuss the different purposes and benefits of colour models in defining graphic images. | | | | | | | | | | |  | |  |
| **P2.4 – Task 04** | Discuss how the density of a output image can impact on the users picture quality with chosen examples. | | | | | | | | | | |  | |  |
| **P2.5 – Task 05** | Discuss the range of issues involved in deciding the file type and management of images and how this can impact on working with chosen examples. | | | | | | | | | | |  | |  |
| File Format | | File Size | | File Conversion | | | File Management | | | Stored Size |
| **P2.6 – Task 06** | Discuss the purpose and need for consideration using compression techniques with chosen examples. | | | | | | | | | | |  | |  |
| **P2.7 – Task 07** | Discuss how the intended use of graphic images can impact on the quality and output with chosen examples. | | | | | | | | | | |  | |  |
| Use on web | | | | | Use on mobile phones | | | Use in interactive media | | |
| Advertising | | | | | Magazines and newspapers | | | Billboards and hoardings | | |
| **D1 - Task 08** | Evaluate, with a range of examples, how different delivery mediums for graphics influence file formats. | | | | | | | | | | |  | |  |
| **LO3 - Be able to use editing tools to edit and manipulate images** | | | | | | | | | | | | | | |
| P3.1 – Task 01 | | Using the guides provided, use standard image tools to evidence editing and manipulating 6 images. | | | | | | | | | |  | |  |
| M2.1 – Task 02 | | Using the guides provided, use advanced editing tools to evidence editing and manipulating 6 images. | | | | | | | | | |  | |  |
| **LO4 - Be able to create and modify graphic images to meet user requirements** | | | | | | | | | | | | | | |
| **P4.1** - **Task 1** | | Identify client’s needs for the production and output of the three company images. | | | | | | | | | |  | |  |
| Purpose | | Audience | | | House Style | | | Size of graphics | |
| Delivery Method | | Timescales | | | Production Costs | | | | |
| **P4.2** – **Task 2** | | Source and collect images from three different sources, camera, scanner and royalty free websites and state the reasons for your choice of image. | | | | | | | | | |  | |  |
| **P4.3** – **Task 3** | | Create a **Company Logo** using vector Tools that meets the needs of the Client. | | | | | | | | | |  | |  |
| **M2.1** – **Task 4** | | State with evidence how the user requirements have been met in the creation of the Company Logo. | | | | | | | | | |  | |  |
| **P4.3** - **Task 5** | | Create a **Company Banner** using Bitmap Tools that is in line with the Client Brief. | | | | | | | | | |  | |  |
| **M2.1 -** **Task 6** | | Combine original and edited images to a professional degree to meet a user need. State with evidence how the user requirement have been met on the Company Web Banner. | | | | | | | | | |  | |  |
| **P4.3** - **Task 7** | | Create a **Company Advertising Hoarding** using Bitmap Tools that is in line with the Client Brief. | | | | | | | | | |  | |  |
| **M2.1** - **Task 8** | | Combine original and edited images to a professional degree to meet a user need. State with evidence how the user requirement has been met with the Company Hoarding. | | | | | | | | | |  | |  |
| **P4.4** – **Task 9** | | Discuss the File Constraints of saving and exporting your three images. | | | | | | | | | |  | |  |
| Format | | Size | | | Resolution | | | Colour | |
| Software and Hardware | | Final File Format | | | Compression/Optimisation | | | | |
| **P4.5** – **Task 10** | | Evidence exporting the completed three images into an appropriate range of formats for the client. | | | | | | | | | |  | |  |
| **P5.1 - Task 11** | | Conduct and collect Peer feedback on the three produced images with the purpose of improving their appeal. | | | | | | | | | | Make a questionnaire, 15 questions, three qualitative and then fill them in, must talk about all three items, 5 each and one each must be about improvements.. | | |
| **P5.2 - Task 12** | | Modify images in light of feedback gathered. | | | | | | | | | |  | |  |
| **D2.1** - **Task 13** | | Evaluate your images in line with the user requirements stated in the design brief. | | | | | | | | | |  | |  |
| **P6.1** – **Task 14** | | Describe the legal Implications restricting Image use and discuss the legal issues involved in the production of your Images. | | | | | | | | | |  | |  |
| **P6.2** – **Task 15** | | Describe the intention of the Copyright Act and describe the risks and the measures you need to take to prevent illegal use of resources. | | | | | | | | | |  | |  |
| **P6.3** – **Task 16** | | Describe the purpose of acknowledging and referencing materials and how it would benefit your company with the chosen use of image sources. | | | | | | | | | |  | |  |