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| **COURSE NAME / CODE** | | | BTEC National Subsidiary / Diploma / Extended Diploma in IT |
| **UNIT(s) No / Name** | | | Unit 30 – Computer Graphics |
| **LEVEL** | 3 | Assignment No & Title | Assignment 1 – Hardware and software |

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| **LECTURER/ASSESSOR** | Gargi Gupta/ Michael Dzandu | | | | |
| **ISSUE DATE** | 26.09.16 | **DEADLINE DATE** | | 10.10.16 | |
| **SUBMISSION DATE** |  | |  | | |
| **RESUBMISSION AUTHORISATION**  BY LEAD INTERNAL VERIFIER\* |  | | **Authorisation Date (By iv)** | |  |
| **RESUBMISSION DATE\*\*** |  | |  | | |

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| **\***All resubmissions must be authorised by the **Lead Internal Verifier**. Only **one** resubmission is possible per assignment, providing:   * The learner has met the initial deadlines set in the assignment, or has met an agreed deadline extension * The tutor considers that the learner will be able to provide improved evidence without further guidance * Evidence submitted for assessment has been authenticated and accompanied by a signed and dated declaration of authenticity by the learner   \*\*Any resubmission evidence **must** be submitted within 10 working days of receipt of assessment |

**Student declaration**

*I declare that this assignment is all my own work and the sources of information and material I have used (including the internet) have been fully identified and properly acknowledged as required.*

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| **STUDENT NAME** | **SIGNATURE** |
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**ASSESSMENT DETAILS & GRADING CRITERIA**

(NB: Columns 1 &2 of the table below will be completed once the assignment has been submitted) Please note that criteria & evidence should be aimed to give the learner the maximum grade available within their qualification (i.e. A, Pass, Distinction)

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| **Learning Aims Covered** | | |  | | |  | |  |
| LO1 | | Know the hardware and software required to work with computer graphics | | | | | | | | | |
| L02 | | Understand types of graphic images and graphical file formats | | | | | | | | | |
| **GRADING CRITERIA FOR TASK** | | | **EVIDENCE** | **EVIDENCE SEEN** | | **Page No#** | **CRITERIA MET** | | | | |
| **Y** | **N** | **Y** | | **I** | **N** | **IV** |
| P1 | Describe the hardware and  software used to create and  edit graphic images | | Task 1:Report |  |  |  |  | |  |  |  |
| P2 | Explain how different types of  graphic images relate to file formats | | Task 3:Report |  |  |  |  | |  |  |  |
| P6 | Explain the potential legal implications of using and editing graphical images | | Task 4: Report |  |  |  |  | |  |  |  |
| M1 | Compare the limitations of different hardware and software packages used in graphics work | | Task 2: Report |  |  |  |  | |  |  |  |
| D1 | Evaluate the impact of evolving output mediums on the design and creation of graphic images | | Task 5: Report |  |  |  |  | |  |  |  |

**KEY: Y = Yes, I = Incomplete, N = No**

**BREAKDOWN OF HOW GRADES WILL BE AWARDED:**

(NB: Please tick as appropriate)

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| **TYPE OF QUALIFICATION** | **TICK** | **DESCRIPTION** |
| **BTECS / WORKSKILLS** | **√** | Pass / Merit / Distinction / Fail |
| **A LEVELS / A2** |  | A-U |

**Internal Verification of Assignment Brief**

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| --- | --- | --- | --- | --- | --- |
| **IV Full Name** | **Sandra Joseph** | **Signed** |  | **Date:** |  |
| **LIV Full Name** | **Ian Middleton** | **Signed** |  | **Date:** |  |



**BTEC Sample Material**

**Learner Consent Declaration**

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| **Centre No & Name** | **51330 – UTC Reading** | |
| **Subject & Level** | **BTEC National Subsidiary / Diploma / Extended Diploma in IT** | **3** |
| **Unit No & Title** | **Unit 30 – Computer Graphics** | |
| **Learner No & Name** |  | |

I agree to the learner work identified above, after having been made anonymous, being used to support any of the following activities, which may involve the display of work online through the BTEC website or through publications:

* Professional Development and Training
* Centre Assessment Example Material
* Standardisation Support
* Publication Materials

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| **Assessor Signature** |  |
| **Name** (block capitals please) | Gargi Gupta |
| **Job Title** | Lecturer in IT |
| **Date**: |  |

|  |  |
| --- | --- |
| **Learner Signature** |  |
| **Name** (block capitals please) |  |
| **Parent/Guardian consent if under 16 years of age** |  |
| **Date**: |  |

Please ensure that this sheet is completed on submission of your assignment.

Please note that your assignment **MUST** have the following (unless otherwise stated):

1. Cover page
2. Table of Contents
3. Introduction
4. Conclusion
5. Bibliography & References

**SCENARIO**

We are considering letting you develop the publicity material for the IT courses at UTC Reading College.

However, before we let you do this, we need to see that you understand the technology behind the work you are doing.

Produce a report on the software, hardware and current state of digital media production, and we will consider your further work (in assignment 2) for use in our publicity.

**TASK 1 Evidence you must produce for this task.**

Start your report by writing about the hardware and software required to produce graphics work

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| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Identify the key components in a computer that are needed to produce graphics | 30 | P1 |
| Describe how their features impact upon graphics work. | 30 | P1 |
| Identify software for both Raster and Vector Editing, and describe the key differences between them | 30 | P1 |
| What other software exists for graphics editing? | 30 | P1 |

**TASK 2 Evidence you must produce for this task.**

The second half of this first section in your report should compare the limitations of different hardware and software packages used in graphics work.

**Note: The question asks you to focus on limitations, not benefits!**

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| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Compare different pieces of hardware used to capture graphics images | 30 | M1 |
| Go on to compare different pieces of software used in graphics work | 30 | M1 |

**TASK 3 Evidence you must produce for this task.**

The next section of your report should discuss the file formats used in graphics. (P2)

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| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Explain how different types of graphic images relate to file formats. | 30 | P2 |
| Give examples of the file formats that can be used to save each type | 30 | P2 |

**TASK 4 Evidence you must produce for this task.**

In this section you have to research about legal implications in graphical work.

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| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Explain the potential legal implications of using and editing graphical images | 30 | P6 |
| What is copyright law? Who owns an image? | 30 | P6 |
| Identify 3 sources where can you get images from that you can use for free? | 30 | P6 |

**TASK 5 Evidence you must produce for this task.**

Create a final section in your report, evaluating the impacts of evolving output mediums on the design and creation of graphic images.

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| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Research the ongoing changes in, and additions to, output media and the effect this has on the creation of graphic images. | 30 | D1 |

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| Sources of information | **Indicative reading for learners**  **Textbooks**   1. Anderson K – Information Technology, First Edition (Pearson Education Limited,2011) ISBN-978 1 846909 29 0   **Websites**  [www.legislation.gov.uk/ukpga/1988/48/contents](http://www.legislation.gov.uk/ukpga/1988/48/contents)  digital-tutorial.blogspot.com  graphicdesign.about.com  www.grafx-design.com |

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| **SUMMATIVE ASSESSMENT RECORD SHEET** | | | | | | |
| **Programme** | BTEC National Subsidiary / Diploma / Extended Diploma in IT | | **Learner Name** |  | **Assessor Name** | Gargi Gupta |
| **Unit No. & Title** | **30 – computer graphics** | | **Target Learning Aims** |  | **Issue Date** | 26 September 2016 |
| **Assignment No & Title** | **30.1 – Hardware and software** | | | | **Final Submission Date** | 10 October 2016 |
| **Target criteria** | **Criteria Achieved** | **Final Assessment Comments** | | | | |
| P1 |  |  | | | | |
| P2 |  |  | | | | |
| P6 |  |  | | | | |
| M1 |  |  | | | | |
| D1 |  |  | | | | |

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| **Summative comments** | | | |
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| **Assessors declaration** | | | |
| I certify that the evidence submitted for this assignment is the student's own and the learner will be able to provide improved evidence without guidance. I understand that any false declaration is a form of malpractice. | | | |
| **Resubmission authorisation\*** |  | **Resubmission Date:** | Click here to enter a date. |
| \* All resubmissions must be authorised. Only 1 resubmission is possible per assignment. | | | |
| **Assessor Signature** |  | **Date:** |  |
| **Learner comments** |  | | |
| **Learner Signature** |  | **Date:** |  |