

**2008 HSC Notes from
the Marking Centre
Information Technology**

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Contents

Introduction	4
Section I	4
Section II	5
Section III – Options.....	6

2008 HSC NOTES FROM THE MARKING CENTRE INFORMATION TECHNOLOGY

Introduction

This document has been produced for the teachers and candidates of the Stage 6 course in Information Technology. It comments on candidate responses to the 2008 Higher School Certificate examination, indicates the quality of the responses and highlights the relative strengths and weaknesses of the responses in each question and each section.

It is essential for this document to be read in conjunction with the relevant syllabus, the 2008 Higher School Certificate Examination, the Marking Guidelines and support documents which have been developed by the Board of Studies to assist in the teaching and learning of Information Technology.

General comments

Teachers and candidates should be aware that examiners may ask questions that address the syllabus outcomes in a manner that requires candidates to respond by integrating their knowledge, understanding and skills developed through studying the course. This reflects the fact that the knowledge, understanding and skills developed through the study of discrete sections should accumulate to a more comprehensive understanding than may be described in each section separately.

Section I

Multiple choice

Question	Correct response
1	B
2	C
3	A
4	A
5	B
6	C
7	C
8	D

Question	Correct response
9	B
10	C
11	A
12	D
13	A
14	A
15	D

Section II

Question 16

- (a) Many responses identified one appropriate detail to be recorded onto a maintenance report/card. Weaker responses indicated details that would more likely be found in an asset register rather than maintenance record.
- (b) Better responses identified and justified an appropriate cleaning product. Weaker responses only identified an appropriate cleaning product and a significant number of candidates did not provide adequate justification for the chosen cleaning product.
- (c) Most responses identified OHS considerations for the scenario of relocating the monitor from its position on the floor of the sixth level to the workroom on the third level. Better responses analysed the identified OHS considerations and related implications for each to the scenario. Weaker responses only identified one appropriate consideration or lacked sufficient analysis.

Question 17

- (a) Many responses identified appropriate hardware specifications to be checked before installing the image-editing package. Weaker responses identified operating system requirements, used non-technical terms or identified non-specific hardware devices with no specification detail.
- (b) Better responses identified and explained a benefit of the additional RAM when using the image-editing program, including a comparison with the use of virtual memory (or secondary storage) to store open image files and the effect this has on the system. Many candidates only identified a benefit of the additional RAM. Weaker responses used non-specific terminology to identify a benefit.
- (c) Better responses outlined the procedure of creating an appropriate user authentication method and restricting the access of the program executable/folder to the usernames of the graphic designers. Weaker responses identified the use of passwords with no procedure outlined.
- (d) Most responses detailed a hierarchical directory path with appropriately named folders to store the image files for the web project. Weaker responses identified a single folder name with no included path information.

Question 18

- (a) Most candidates were able to identify that workstation 2 required defragmentation.
- (b) The majority of candidates attempted this question by outlining the process taken by the user to defrag a volume. Other answers described the process undertaken by the defragmentation utility to the defragmentation of a volume.

Better responses accurately described the process a user would undertake either through the programs/accessories path, through the properties of the disk selected to be defragmented or through the use of the command prompt.

For the candidates who described the process undertaken by the defragmentation utility, many identified that the utility rejoined fragmented files. Many responses, however, indicated that this process created ‘more space’ on the disk or volume.

- (c) Better responses generally mentioned that through defragmentation, fragmented files were rejoined thus improving the performance or file access speeds. Many responses identified that a benefit was that the computer may seem to process faster but poorly related how the defragmentation process contributed to this, allowing them to only achieve one mark. Again, students wrongly discussed ‘space’ as an attribute of defragmentation.
- (d)(i) Better responses outlined three correctly sequenced steps that should be followed when a virus is detected. Many answers lacked sufficient detail or correct sequence. Correctly sequenced answers listed a removal or quarantine process first, recovery of data files second and describing a preventative measure last. Some candidates misunderstood the question and described the virus scanning process. Other poor answers described the process of backing up before cleaning the virus off and many mentioned they would simply format the disk to remove the virus.
- (d)(ii) Many students failed to clearly identify two differences between a worm and macro virus. The better answers clearly identified and labelled features of each virus and distinguished between them. Poor responses listed an attribute of one virus but failed to contrast clearly.

Question 19

- (a)(i) Candidates were expected to identify one other type of information that can be obtained from an audit trail.
- (a)(ii) Correct responses identified the Copyright Act as the correct law.
- (b) Better responses justified clearly why a selected method was utilised. Weaker responses had a limited justification or a valid method with no justification.
- (c) In analysing the implications for a company who fails to act on finding illegal software on their computers, candidates explored many possibilities. The most commonly discussed implication was legal action resulting in a fine due to breach of copyright. While there were many acceptable responses, better responses were able to list clearly two different components and explored a valid implication for each. Better responses also explored the concept of how illegal software can allow viruses into a system and damage critical data.

Section III – Options

Question 20

Candidates were able to identify a wide array of diagnostic procedures ranging from running a ScanDisk to listening for noises from the hard drive. Better responses listed a number of procedures related to what the procedure was used to diagnose. Weaker responses skimmed the surface of diagnosing computing problems and focused on things like basic connection issues, such as ‘is the

power cord plugged in?'. While this is a legitimate diagnostic question, it does not demonstrate a deep understanding of how to solve this problem.

The majority of candidates were able to address at least two or more of the defined areas within the question. The better responses addressed at least three of the four key points and elaborated by identifying three or more key features of the particular area of the question that they addressed. For example, in 'major areas in which computer problems arise', better responses noted that user error was a major problem in IT as well as problems with hardware or software.

In some responses, candidates tried to solve the specific problem identified (eg keyboard not working, check plug). A general problem solving process was required that could be applied to hardware, software, user error or electrical issues. Better responses demonstrated a deeper understanding of the process involved by discussing things like 'isolating the problem', 'researching possible solutions', 'applying solutions' and 'retesting to see if error is repeated'.

When it came to identifying sources of technical data, this was probably the area most successfully answered by candidates. The majority of candidates were able to identify at least two to three sources other than the user manual, which was the most obvious source.

Question 21

This question was answered by approximately 90% of candidates with most showing an adequate understanding. However, few were able to show a detailed or in-depth understanding by effectively justifying cost-effectiveness.

Many candidates:

- identified all components but were unable to give cost-effective solutions for each
- were able to justify the hardware component well
- listed hardware components and prices, taking the form of a quotation.

Some responses identified and justified the need for a network to save money showing detailed understanding of IT functions. Some students showed confusion between wireless internet and a wireless network. Better responses had a clear and detailed description of the benefits of a network in terms of cost-effectiveness.

Better responses showed clear structure and organisation and included well-reasoned solutions for each component. They also demonstrated some evidence of cost-effective justifications by discussing the ways the council could save money now and in the future. Examples of cost-effective solutions could include:

- buying the hardware and software in bulk
- future proofing
- sharing resources over a network
- purchasing site licenses
- antivirus protection to save on future maintenance
- ergonomic setup for fewer injuries
- internet plan
- running training courses for a fee
- online training
- charging for printing/internet use
- training the trainer.

Some candidates were unable to show evidence of the practical experiences that would assist them to make valid justifications regarding solutions. Candidates have about 30 minutes to answer each extended response question. They should use this time to plan, re-read, edit, add, delete, adjust and rewrite their response. A logical, well-reasoned and well-presented response with relevant information will always score well.

Question 22

This question was attempted by approximately 60% of candidates. The quality of the responses varied with few fully identifying the problems associated with the given scenario, and/or explicitly outlining procedures to overcome these problems.

Better responses:

- provided a detailed analysis of the four relevant problems regarding the production of the identification tag shown, focusing on the reference of software applications
- were cohesive and well structured with explicit relationships between the identified problem and related procedure
- made specific reference to each of the components addressed in the question
- consistently used industry terminology that was precise and professional to convey a detailed understanding.

Mid-range responses:

- addressed most components of the question, analysing some of the components of the question and/or not providing related procedures
- were structured in an organised manner reflecting some analysis and problem-solving skills
- showed a basic understanding of the processes involved in the production of the identification tag
- demonstrated a basic understanding of the role of the support IT personnel in the formulation of procedures.

Low range responses:

- focused on the physical production of the identification tags rather than identifying the relationship with the efficient manipulation of data to achieve the desired output
- showed minimal understanding of the role of various software applications in relation to the production of the identification tag
- addressed minimal components of the question merely by identifying procedures without any supporting analysis of the scenario
- provided inappropriate advice in order to overcome the problems in the question rather than meeting the requirements of the client as indicated.

Information Technology

2008 HSC Examination Mapping Grid

Question	Marks	Unit of competency / Element of competency
Section I		
1	1	ICAU2231A Use computer operating system
2	1	ICAD2012A Design organisational documents using computing packages ICAW2001A Work effectively in an IT environment
3	1	ICAU2013A Integrate commercial computing packages
4	1	ICAD2012A Design organisational documents using computing packages
5	1	ICAW2001A Work effectively in an IT environment
6	1	ICAW2002A Communicate in the workplace
7	1	ICAD3218A Create user documentation
8	1	ICAI3020A Install and optimise operating system software
9	1	ICAI3020A Install and optimise operating system software
10	1	ICAU3004A Apply occupational health and safety procedures
11	1	ICAS3234A Care for computer hardware
12	1	ICAS3234A Care for computer hardware
13	1	ICAT3025A Run standard diagnostic tests
14	1	ICAU3004A Apply occupational health and safety procedures
15	1	ICAT3025A Run standard diagnostic tests
Section II		
16 (a)	1	ICAW2001A Work effectively in an IT environment
16 (b)	2	ICAS3234A Care for computer hardware
16 (c)	4	ICAU3004A Apply occupational health and safety procedures
17 (a)	3	ICAU2231A Use computer operating system
17 (b)	2	ICAU2231A Use computer operating system
17 (c)	2	ICAU2231A Use computer operating system
17 (d)	2	ICAU2231A Use computer operating system
18 (a)	1	ICAT3025A Run standard diagnostic tests ICAU2231A Use computer operating system
18 (b)	2	ICAT3025A Run standard diagnostic tests ICAU2231A Use computer operating system
18 (c)	2	ICAT3025A Run standard diagnostic tests ICAU2231A Use computer operating system ICAS3031A Provide advice to clients
18 (d) (i)	3	ICAT3025A Run standard diagnostic tests ICAU2231A Use computer operating system
18 (d) (ii)	3	ICAT3025A Run standard diagnostic tests
19 (a) (i) & (ii)	2	ICAW2001A Work effectively in an IT environment
19 (b)	2	ICAW2002A Communicate in the workplace
19 (c)	4	ICAW2001A Work effectively in an IT environment

Section III		
20	15	ICAS3234A Care for computer hardware ICAU2231A Use computer operating system ICAD3218A create user documentation ICAT3025A Run standard diagnostics
21	15	ICAS3234A Care for computer hardware ICAS3031A Provide advice to clients ICAW2002A Work effectively in an IT environment
22	15	ICAU2013A Integrate commercial computing packages ICAS3031A Provide advice to clients



2008 HSC Information Technology Marking Guidelines

The following marking guidelines were developed by the examination committee for the 2008 HSC examination in Information Technology, and were used at the marking centre in marking student responses. For each question the marking guidelines are contained in a table showing the criteria associated with each mark or mark range. For some questions, 'Sample Answers' or 'Answers may include' sections are included. These are developed by the examination committee for two purposes. The committee does this:

- (1) as part of the development of the examination paper to ensure the questions will effectively assess students' knowledge and skills, and
- (2) in order to provide some advice to the Supervisor of Marking about the nature and scope of the responses expected of students.

The examination committee develops the marking guidelines concurrently with the examination paper. The 'Sample Answers' or similar advice are not intended to be exemplary or even complete answers or responses. As they are part of the examination committee's 'working document', they may contain typographical errors, omissions, or only some of the possible correct answers.

The information in the marking guidelines is further supplemented as required by the Supervisor of Marking and the senior markers at the marking centre.

A range of different organisations produce booklets of sample answers for HSC examinations, and other notes for students and teachers. The Board of Studies does not attest to the correctness or suitability of the answers, sample responses or explanations provided. Nevertheless, many students and teachers have found such publications to be useful in their preparation for the HSC examinations.

A copy of the Mapping Grid, which maps each question in the examination to units/elements of competency as detailed in the syllabus, is also included.

Section II

Question 16 (a)

Competencies assessed: ICAW2001A

MARKING GUIDELINES

Criteria	Marks
• Identifies ONE appropriate detail	1

Sample answer/Answers could include:

- job reference number
- description of problem
- name of technician
- date
- description of action to rectify

Question 16 (b)

Competencies assessed: ICAS3234A

MARKING GUIDELINES

Criteria	Marks
• Identifies and justifies at least ONE appropriate cleaning product	2
• Identifies without appropriate justification at least ONE cleaning product	1

Sample answer/Answers could include:

- Lint free cloth so that no residue remains (2)
- Lint free cloth (1)
- Monitor wipes as they are designed for use with monitor (2)
- Monitor wipes (1)

Question 16 (c)*Competencies assessed: ICAU3004A***MARKING GUIDELINES**

Criteria	Marks
• Identifies TWO OH&S considerations and relates implication of BOTH to the scenario	4
• Identifies TWO OH&S considerations but relates the implication to only ONE of these to the scenario	3
• Identifies TWO OH&S considerations without relating them to scenario OR • Identifies ONE OH&S consideration and relates it to the scenario	2
• Identifies ONE OH&S consideration	1

Sample answer/Answers could include:

- Remember to bend knees and keep back straight when lifting monitor off floor and use a trolley to transport monitor to floor below (3)
- Remember to bend your knees and keep your back straight when lifting off the floor and carry monitor carefully (3)

Question 17 (a)*Competencies assessed: ICAU2231A***MARKING GUIDELINES**

Criteria	Marks
• Identifies THREE hardware specifications requirements	3
• Identifies TWO hardware specifications requirements	2
• Identifies ONE hardware specification requirement	1

Sample answer/Answers could include:

- CPU speed
- Free disk space
- Graphics card

Question 17 (b)*Competencies assessed: ICAU2231A***MARKING GUIDELINES**

Criteria	Marks
• Explains a benefit of additional RAM	2
• Identifies a change as a result of additional RAM with no explanation of benefit	1

Sample answer/Answers could include:

- The program will respond more quickly to changes and instructions

Question 17 (c)*Competencies assessed: ICAU2231A***MARKING GUIDELINES**

Criteria	Marks
• Outlines all appropriate steps required to prevent unauthorised access to the program	2
• Outlines steps required to prevent unauthorised access to the computer	1

Sample answer/Answers could include:

- Provide a username/password for the program installed on the workstation through O/S (2)
- Set up usernames and password (1)

Question 17 (d)*Competencies assessed: ICAU2231A***MARKING GUIDELINES**

Criteria	Marks
• Details an appropriately named multiple level folder/tree/path hierarchy	2
• Details a folder/tree/path hierarchy without appropriate names OR • Uses appropriate names but lacks hierarchy structure OR • Gives ONE appropriately named folder (1)	1

Sample answer/Answers could include:

: /Advertising/Graphic Design/Web Project



\\Advertising\Web Project

Question 18 (a)

Competencies assessed: ICAT3025A, ICAU2231A

MARKING GUIDELINES

Criteria	Marks
• Identifies Workstation 2	1

Question 18 (b)

Competencies assessed: ICAT3025A, ICAU2231A

MARKING GUIDELINES

Criteria	Marks
• Outlines the main steps carried out by the defrag utility or user	2
• Outlines basic steps carried out by the defragmentation utility or user	1

Sample answer/Answers could include:

- Makes space on hard disk available to relocate the file fragments (2)
- Puts all the fragmented files together (1)

**Question 18 (c)***Competencies assessed: ICAT3025A, ICAU2231A, ICAS3031A***MARKING GUIDELINES**

Criteria	Marks
• Identifies an attribute of defragmentation and states its benefit	2
• Identifies an attribute of defragmentation OR • States a benefit without identifying an attribute of defragmentation	1

Sample answer/Answers could include:

- Because all the parts of the file are now together performance will be improved.(2)
- Performance is improved. (1).
- All parts of the file are together. (1)

Question 18 (d) (i)*Competencies assessed: ICAT3025A, ICAU2231A***MARKING GUIDELINES**

Criteria	Marks
• Outlines at least THREE correctly sequenced appropriate steps to follow when a virus is detected	3
• Outlines at least THREE appropriate steps (not in correct sequence) to follow when a virus is detected OR • Outlines at least TWO appropriate steps in correct sequence	2
• Outlines at least TWO appropriate steps but not in correct sequence OR • Identifies ONE appropriate step to follow	1

Sample answer/Answers could include:

- 1. Remove Virus
 2. Recover lost data
 3. Prevent recurrence
- Prevent recurrence, remove virus, recover data (2)

Question 18 (d) (ii)*Competencies assessed: ICAT3025A***MARKING GUIDELINES**

Criteria	Marks
• Identifies TWO or more differences and clearly relates difference to virus type	3
• Identifies ONE difference and clearly relates difference to virus type OR • Identifies TWO or more differences without clearly relating virus type	2
• Identifies ONE attribute without clearly relating virus type	1

Sample answer/Answers could include:

Worm	MACRO
Able to travel independently	Must attach to file
Needs no human intervention	Needs human intervention to run
Does not need specific applications installed on computer	Must have a specific application in order to be activated

Question 19 (a) (i)*Competencies assessed: ICAW2001A***MARKING GUIDELINES**

Criteria	Marks
• Identifies ONE appropriate type of information	1

Sample answer/Answers could include:

- File access information

Question 19 (a) (ii)*Competencies assessed: ICAW2001A***MARKING GUIDELINES**

Criteria	Marks
• Identifies the Copyright Act	1

Question 19 (b)*Competencies assessed: ICAW2002A***MARKING GUIDELINES**

Criteria	Marks
• Identifies a method of communication and justifies its use	2
• Identifies a method of communication but fails to justify	1

Sample answer/Answers could include:

- Hold a staff meeting so that everyone is sure to get the message.

Question 19 (c)*Competencies assessed: ICAW2001A***MARKING GUIDELINES**

Criteria	Marks
• Identifies TWO components and relates the implication of each to the company	4
• Identifies TWO components but relates the implication of only ONE to the company	3
• Identifies ONE component and relates the implication of it to the company OR • Identifies TWO components	2
• Identifies ONE component	1

Sample answer/Answers could include:

- The installed software could contain a virus and therefore destroy valuable data throughout the company.
- The company can be fined and lose money or credibility in the industry.

Section III

Question 20

Competencies assessed: ICAD3218A, ICAT3025A, ICAS3234A, ICAU2231A

MARKING GUIDELINES

Criteria	Marks
<ul style="list-style-type: none"> Addresses all components of the question Provides a cohesive well-reasoned response that reflects a high level of organisation, judgement, synthesis and problem-solving Demonstrates an in-depth understanding of IT functions with reference to the scenario used in the question Consistently uses precise IT terminology to a professional level Communicates in the manner required by the question consistently using standard industry formats 	13–15
<ul style="list-style-type: none"> Addresses most components of the question Provides a cohesive well-reasoned response showing significant organisational and problem-solving skills Demonstrates a detailed understanding of IT functions with reference to the scenario used in the question Uses precise IT terminology to a level acceptable in industry Communicates in the manner required by the question using standard industry formats 	10–12
<ul style="list-style-type: none"> Addresses most components of the question Provides a response displaying some organisational and problem-solving skills Demonstrates a basic understanding of IT functions with limited reference to the scenario used in the question Uses basic IT terminology Communicates in the manner required by the question using elements of industry formats 	7–9
<ul style="list-style-type: none"> Addresses some components of the question Provides a response displaying limited organisational and problem-solving skills Demonstrates a limited understanding of IT functions Uses some IT terminology Communicates in the manner required by the question using few elements of industry formats 	4–6
<ul style="list-style-type: none"> Addresses minimal components of the question Provides a response displaying limited organisation Communicates in the manner required by the question using few elements of industry formats 	1–3

Question 20 (continued)



Sample answer/Answers could include:

Basic diagnostic Procedures

- disk integrity
- memory faults
- system performance

Major areas in which computer problems arise:

- electrical or electronic failure eg power supply, lightning strike
- mechanical fault eg broken switch, damaged port/plugs
- software failure eg software incompatibility, bug
- operator/user generated error eg overwriting file

Sources of technical data and information for fault finding:

- manufacturer manuals
- data reference books
- websites
- industry publications/magazines
- discussion groups
- forums

Problem solving process:

- identify possible cause of problem
- remove hardware/software that could mask issue
- test theory by replacing item or using diagnostic tool

Question 21*Competencies assessed: ICAW2002A, ICAS3031A, ICAW2001A, ICAS3234A***MARKING GUIDELINES**

Criteria	Marks
<ul style="list-style-type: none">• Addresses all components of the question• Provides a cohesive, well-reasoned response that reflects a high level of organisation, judgement synthesis and problem-solving skills• Demonstrates an in-depth understanding of IT functions with reference to the scenario used in the question• Consistently uses precise IT terminology to a professional level• Communicates in the manner required by the question consistently using standard industry formats	13–15
<ul style="list-style-type: none">• Addresses most components of the question• Provides a cohesive, well-reasoned response showing significant organisational problem-solving skills• Demonstrates a detailed understanding of IT functions with reference to the scenario used in the question• Uses precise IT terminology to a level acceptable in industry• Communicates in the manner required by the question using standard industry formats	10–12
<ul style="list-style-type: none">• Addresses most components of the question• Provides a response displaying some organisational and problem-solving skills• Demonstrates a basic understanding of IT functions with reference to the scenario used in the question• Uses basic IT terminology• Communicates in the manner required by the question using elements of industry formats	7–9
<ul style="list-style-type: none">• Addresses some components of the question• Provides a response displaying limited organisational and problem-solving skills• Demonstrates a limited understanding of IT functions• Uses some IT terminology• Communicates in the manner required by the question using few elements of industry formats	4–6
<ul style="list-style-type: none">• Addresses minimal components of the question• Provides a response displaying limited organisation• Communicates in the manner required by the question using few elements of industry formats	1–3

Question 21 (continued)***Sample answer/Answers could include:***Hardware

- Computer Terminals
- Monitors
 - Requires Routers, Switches, Modem, cabling
 - If wireless needs access points
 - Black and white laser printer with networking capability (answers could include infrared, blue tooth etc)
 - Inkjet Colour printer
 - Justify the number of scanners (One that networked or a number of them not connected)
 - Hardware suitable for training (some project device or software)

Software

- Operating System
- Browser required
- Printer drivers and associated software
- Scanner drivers and associated software
- Appropriate Graphic package for scanned images
- Online training
- Online Manuals
- Open source uses verses proprietary software usage

Training & User Implementation

- Train someone to maintain system
- Employ someone to maintain
- Suggest a model to maintain
- One on one training
- User documentation
- Vendor Documentation

Question 22*Competencies assessed: ICAS3031A, ICAU2013A***MARKING GUIDELINES**

Criteria	Marks
<ul style="list-style-type: none">• Addresses all components of the question• Provides a cohesive well-reasoned response that reflects a high level of organisation, judgement, synthesis and problem-solving• Demonstrates an in-depth understanding of IT functions with reference to the scenario used in the question• Consistently uses precise IT terminology to a professional level• Communicates in the manner required by the question consistently using standard industry formats	13–15
<ul style="list-style-type: none">• Addresses most components of the question• Provides a cohesive well-reasoned response showing significant organisational and problem-solving skills• Demonstrates an detailed understanding of IT functions with reference to the scenario used in the question• Uses precise IT terminology to a level acceptable in industry• Communicates in the manner required by the question using standard industry formats	10–12
<ul style="list-style-type: none">• Addresses most components of the question• Provides a response displaying some organisational and problem-solving skills• Demonstrates a basic understanding of IT functions with limited reference to the scenario used in the question• Uses basic IT terminology• Communicates in the manner required by the question using elements of industry formats	7–9
<ul style="list-style-type: none">• Addresses some components of the question• Provides a response displaying limited organisational and problem-solving skills• Demonstrates a limited understanding of IT functions• Uses some IT terminology• Communicates in the manner required by the question using few elements of industry formats	4–6
<ul style="list-style-type: none">• Addresses minimal components of the question• Provides a response displaying limited organisation• Communicates in the manner required by the question using few elements of industry formats	1–3



Question 22 (continued)

Sample answer/Answers could include:

The problems:

- Incompatible file format & size with image
- Spreadsheet package doesn't support imported graphic images
- Spreadsheet has more fields than required
- Database package cannot produce labels
- The import of fields into database may need to be converted to CSV if package is incompatible
- Needs to know how to set up the template
- The mail merge can be a problem

This is the procedure:

Image (Resize the image):

- Need to convert from png to bmp and resize
- Accomplished from image editing software
- Can be done 1 by 1 or on batch conversion
- Eg software Irfanview

Database Creation:

- Identify fields from spreadsheet (name, DOB, Year, Student No)
- Import if compatible package or convert to CSV
- Import the graphics

Merge (Produce the Tag):

- Establish template in word processor
- Mail merge the data (in detail)