

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
4 weeks	Computer Control	Be able to explain the use of sensors in data collection and detection in computer-controlled applications.	<p>Demonstration: Show diagram of relationship between sensors, computers, ADC, DAC and etc.(using example of Greenhouse control system)</p> <p>Show pictures of the various types of sensors and their uses. e.g. light sensor, sound sensor, temperature sensor, etc.</p> <p>Group work: Explore examples of computer control.eg. alarm clock, buzzer for shop, light house, etc.</p> <p>Discuss on the paper manufacturer which uses process control with radiation to make paper.</p>	<ul style="list-style-type: none"> state the role of computers in control. describe the role of sensors in control. identify the different types of sensors used in computer-controlled applications. <ul style="list-style-type: none"> light temperature pressure sound etc describe the need of an ADC in conversion of analog to digital data. describe the purpose of feedback loops in a computer-controlled system. describe what is a process control. 	<p>U3: (Pg 61-65) U10: (Pg 163-168) U11: (Pg141-147) U14: (Pg 218-230)</p> <p>Online Resource: Computer Control (Appendix 7)</p>	<p>Suggested exercise: U10: (Pg 169-172) U14: (Pg 221, 228-229)</p>
	Data Logging	Be able to explain the data logging process and to give examples of data logging.	<p>Group Work:</p> <ul style="list-style-type: none"> Case study of various data logging experiments. Students to suggest suitable data logging period and data logging interval for each application. Discuss their virtues and limitations. 	<ul style="list-style-type: none"> define the term data logging. provide examples of data logging experiments. state a suitable data logging interval and data logging period for a given application. list the hardware and software used in the data logging experiment. state the advantages and disadvantages of a given data logging experiment. 	<p>U3: (Pg 61-62) U8: (Pg 40-41) U10: (Pg 107-111) U13: (Pg 176-177) U14: (Pg 214-218)</p> <p>Online Resource: Data Logging (Appendix 7)</p>	<p>Suggested exercise: U9: (Pg 40)</p>

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
2 weeks	Commercial and general data processing	Be able to state the advantages of using computers in commercial and general data processing.	<p>Group work: Discuss the benefits of computers in commercial use:</p> <ul style="list-style-type: none"> o supermarkets o banks o dental clinic o etc <p>Field trip: Explore the use of computers in commercial banks.</p>	<ul style="list-style-type: none"> • state the devices used at a point-of-sale(POS) terminal.eg. supermarkets • list the benefits of computers in commercial use: eg. in supermarkets(in stock control and order processing). • list advantages and disadvantages of: <ul style="list-style-type: none"> o EFTPOS o Credit cards o Debit cards o etc 	U7: (Pg 118-122) U8: (Pg 74-75) U10: (Pg 200-205, 207-212) U11: (Pg135-139, 160-161, 166-173) U14: (Pg 269-274) Online Resource: E-commerce (Appendix 7)	Suggested exercise: U9: (Pg 70-71)
1 week	Industrial, technical and scientific uses	Be able to state advantages of computers in industrial, technical and scientific use.	<p>Group work: Discuss the advantages and identify the devices needed for each of the applications below:</p> <ul style="list-style-type: none"> - CAD/CAM - Image processing - Weather forecasting - Industrial inspection system - Simulation - Virtual Reality - Modeling <p>Field trip: A visit to RBA training centre (flight simulator)</p>	<ul style="list-style-type: none"> • list advantages of computers in industrial, technical and scientific use. • define and give examples of CAD/ CAM. • define and give examples of simulation and modeling. 	U3: (Pg 66-68) U10: (Pg 86, 183-189) U11: (Pg 120-123) U14: (Pg 227-228, 275-276) Online Resource: CAM (Appendix 7)	

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	Expert systems	Be able to describe the application of expert system.	Group work: Discuss on examples on the use of expert system: <ul style="list-style-type: none"> o medical diagnosis o mineral prospecting o fault diagnosis 	<ul style="list-style-type: none"> • define expert system. • describe the three components of an expert system: <ul style="list-style-type: none"> o knowledge base o inference engine o user interface • list advantages and disadvantages of using expert system. • give examples of expert system. 	U10: (Pg 186-187) U14: (Pg 281) Online Resource: Expert systems (Appendix 7)	
1 week	Robotics	Be able to identify the advantages and limitations of using Robots.	Group Work: Discuss the advantages, limitations and applications of Robotics. Demonstration: Use video clips to view the application of Industrial Robots from http://www.robots.net http://www.merlinrobotics.co.uk/merlinrobotics/?gclid=CInwvIDM2osCFR0TTAod5U-UXQ	<ul style="list-style-type: none"> • identify the advantages and the limitations of using Robots. 	U10: (Pg 162-163) U14: (Pg 224-226) Online Resource: Robotics (Appendix 7)	Suggested Exercise: Produce a report on industrial OR domestic robot.

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	Miscellaneous areas	Be able to state the advantages of using computers in: <ul style="list-style-type: none"> o Education and Training o Entertainment o helping the handicapped. 	Group work: Discuss the advantages of CBL(Computer-based learning) Discuss how computers can help people with special needs.	<ul style="list-style-type: none"> • define CBL(computer based learning). • state the advantages and disadvantages of CBL. • list and identify types of CBL software: <ul style="list-style-type: none"> o drill and practice o tutorial o game o problem solving • describe the use of computer in production and generation of music by mixing different signals • describe the use of computers in television and film: <ul style="list-style-type: none"> o computer graphics o animation • state devices used to help people with special needs: <ul style="list-style-type: none"> o Braille keyboard, Braille monitor o speech recognition systems, etc 	U7: (Pg 122-127) U10: (Pg 205-206, 213-215) U11: (Pg 300-304) U14: (Pg 276-277) Online Resource: Education & ICT Entertainment (Appendix 7 & 8)	
	Office Automation (OA)	Be able to state the meaning of OA and state the order of stages in an OA project.	Group Work: Discuss the advantages and meaning of Office Automation. Demonstration: Browse internet for modern OA facilities.	<ul style="list-style-type: none"> • explain the meaning of OA. • identify equipments like PBX, fax and vending machines as conventional OA facilitation. • identify the advantages and disadvantages caused by OA. 	U10: (Pg 178-181) Online Resource: Automation (Appendix 7)	

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	Changing work patterns	Be able to explain the changes in employment trends brought about by computer controlled technology.	<p>Group Work: Discuss the changes in employment trends.</p> <p>Identify the effects of de-skilling: manufacturing, publishing, services, etc.</p> <p>Discuss the needs for re-training.</p>	<ul style="list-style-type: none"> explain the changes in employment trends. explain what de-skilling is and provide examples. explain what electronic scabbing is. explain the needs for re-training. list advantages and disadvantages of tele-commuting (tele-working). explain what a call centre is and provide examples. <p>(Appendix 1)</p>	<p>U3: (Pg 86) U8: (Pg 72-73) U10: (Pg 154-155) U11: (Pg255) U14: (Pg 284-285)</p> <p>Online Resource: Changing work patterns (Appendix 8)</p>	<p>Suggested exercise: U9: (Pg 68-69)</p>
1 week	Changing lifestyles	<p>Be able to identify changes in lifestyles due to technology.</p> <p>Be able to state the benefits of new products.</p>	<p>Assignment: Visit a commercial website and browse through the ordering procedures for e-shopping (on-line shopping).</p> <p>Assignment: Search for new products and related information.</p> <p>Group Presentation: New products.</p>	<ul style="list-style-type: none"> explain what a cashless society is. list advantages and disadvantages of cashless society. describe what a smart card is. list advantages and disadvantages of on-line shopping (e-commerce). list the benefits of office automation. name the modern gadgets used at home. identify new products that allow us to lead to more comfortable and secure life. <p>(Appendix 3 & 4)</p>	<p>U7: (Pg 160-163) U10: (Pg 156-158) U11: (Pg 247-249)</p> <p>Online Resource: Changing lifestyles (Appendix 8)</p>	

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	Health and safety	<p>Be able to identify health problems associated with using computers.</p> <p>Be able to identify precautions to reduce health risks when working with computers.</p>	<p>Demonstration: Show pictures of ergonomically-designed equipments.</p> <p>Assignment: Collect information on safety issues at work.</p>	<ul style="list-style-type: none"> list some health problems caused by using computers and suggest remedies to overcome them. list some safety issues at work and suggest remedies to overcome them. list some Health and Safety Regulations. <p>(Appendix 2)</p>	<p>U8: (Pg 76 – 77)</p> <p>U11: (Pg 271-276)</p> <p>U14: (Pg 285-286)</p> <p>Online Resource: Health & Safety (Appendix 8)</p>	<p>Suggested exercise: U9: (Pg 72-73)</p>
1 week	Moral and social issues	<p>Be able to identify areas on moral and social issues with the use of computers.</p> <p>Be able to identify the undesirable usage of Internet.</p>	<p>Group work: Discuss the effects on some moral issues: copyright, unethical websites, hacking, etc.</p> <p>Discuss the effects on some social issues: electronic scabbing, de-skilling, etc.</p> <p>Group work: Discuss some drawbacks of using the Internet.</p>	<ul style="list-style-type: none"> state some moral issues related to the use of computers. state some social issues related to the use of computers. describe the effects of these moral and social issues. state some drawbacks of using the Internet. <p>(Appendix 3)</p>	<p>U3: (Pg 88-89)</p> <p>U8: (Pg 88-89)</p> <p>U11: (Pg 264-267, 281-283)</p> <p>Online Resource: Moral & social issues (Appendix 8)</p>	<p>Suggested exercise: U9: (Pg 84-85)</p>

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	Video Conferencing	Be able to identify the advantages and limitations of Video conferencing.	<p>Group work: Discuss the advantages, limitations and system requirements.</p> <p>Demonstration: Participate in an ongoing video conference.</p>	<ul style="list-style-type: none"> take part in a video conference. identify the advantages of using a video conference. 	<p>U3: (Pg 79) U14: (Pg 181)</p> <p>Online Resource: Video Conferencing (Appendix 8)</p>	<p>Suggested Exercise:</p> <p>Explain the advantages and the disadvantages of Video Conferencing</p>
1 week	Computer Crime	<p>Be able to provide examples of computer crime.</p> <p>Be able to explain ways to protect against computer crime.</p>	<p>Demonstration: Slide-show of various examples of computer crime and prevention methods.</p> <p>Field trip: Visit a bank to view their security features.</p>	<ul style="list-style-type: none"> define the term computer crime. provide examples of computer crime. define the term hacking. define the term software piracy. provide various safeguard against computer crime. <p>(Appendix 4)</p>	<p>U7: (Pg 66-79, 136-141,157-159) U10: (Pg 148-152) U14: (Pg 286-290)</p> <p>Online Resource: Computer crime (Appendix 9)</p>	
1 week	Computer virus	Be able to state and list precautions against computer virus.	<p>Hands-on: Using an anti-virus software to scan and remove viruses.</p> <p>Group work: Discuss the effects of and ways to overcome virus infections.</p>	<ul style="list-style-type: none"> define the term computer virus. state the sources of virus infections. list precautions against virus infections. <p>(Appendix 5)</p>	<p>U7: (Pg 139-141, 147-149) U10: (Pg 131-132) U14: (Pg 183-184)</p> <p>Online Resource: Computer virus (Appendix 9)</p>	

COMPUTER STUDIES

SCHEME OF WORK

YEAR 11

Duration (no of weeks)	Topic	Learning Objectives	Learning Activities	Learning outcome (At the end of the lessons, students will be able to ...)	Resources	Assessment
1 week	The Data Protection Act	<p>Be able to justify the need to control how data and information can be collected and used.</p> <p>Be able to identify the data protection legislations.</p>	<p>Group work: Discuss the use of personal data and how these data users (data collectors) should be held responsible for using the data.</p>	<ul style="list-style-type: none"> differentiate between data commissioner, data controller/user and data subject. list the rights of data subjects. list the eight principles under the Data Protection Act. state the exemptions from the Data Protection Act. <p>(Appendix 6)</p>	<p>U3: (Pg 85) U8: (Pg 80-81) U11: (Pg267-269)</p> <p>Online Resource: Data Protection Act (Appendix 9)</p>	<p>Suggested exercise: U9: (Pg 76-77)</p>
1 week	Data and Computer misuse	<p>Be able to give examples of computer misuse at work.</p>	<p>Group work: Discuss various examples of computer misuse at their work place.</p>	<ul style="list-style-type: none"> list examples of computer misuse at work. list some rules under the Computer Misuse Act. describe examples of misuse of data: electronic fraud, credit card fraud, etc. <p>(Appendix 6)</p>	<p>U3: (Pg85) U11: (Pg270)</p> <p>Online Resource: Data and Computer misuse (Appendix 9)</p>	
1 week	Copyright	<p>Be able to explain the concept of copyright applied to software and files.</p> <p>Be able to explain copyrights issues which involve file or software downloading from the Internet.</p>	<p>Group work: Discuss copyrights issues:</p> <ul style="list-style-type: none"> using distributing materials stored. 	<ul style="list-style-type: none"> explain terms like Freeware, Shareware and User licenses. list examples on how copyright laws can be broken. <p>(Appendix 6)</p>	<p>U3: (Pg 85) U10: (Pg 151) U11: (Pg270-271)</p> <p>Online Resource: Copyright (Appendix 9)</p>	

SUGGESTED CHECKLIST ON THE SOCIAL AND ECONOMIC IMPLICATIONS OF THE USE OF COMPUTERS

Suggested check list on The social and economic implications of the use of computers		Tick here
Changing employment patterns		
	Many of the manual tasks such as assembly work and paint spraying in factories are now performed by robots.	
	Many industrial processes operate 24 hours a day and are continually being monitored and controlled by robots.	
	There are fewer paper-based systems in offices.	
	More people work from home, with the advantage of no travelling and freedom of being able to live in any part of the country(or the world for that matter).	
	Computers are used to monitor the performance of their users. eg. In supermarkets	
Examples of how de-skilling can happen		
	Through replacement of skilled and semi-skilled labour by micro-processor-controlled systems in manufacturing. eg. robots	
	The typesetters who used to set out newspapers were replaced by Desktop Publishing	
Examples of jobs alteration as a result of computers		
	Secretaries use office software	
	Shop assistants scan bar codes	
	Doctors keep computer records and use diagnostic techniques such as CAT scans	
	Police use databases to track criminals and check on drivers and cars	
	Engineers use CAD to design constructions and to perform simulations	
	Civil servants use models to predict economic changes	
Reasons for the need of retraining		
	Existing packages are upgraded	
	New packages are published	
Advantages of homeworking		
	Less travel.	
	Working hours to suit the individual.	
	There is no need to live near the work place.	
	Saving on expensive office space.	

Suggested check list on The social and economic implications of the use of computers		Tick here
Disadvantages of homeworking		
	Less social contact.	
	A suitable room has to be found at home.	
	Likelihood of interruptions from family.	
Hazards in the work place		
	Wires trailing across the floor which people might trip over.	
	Overloaded power sockets, which can cause fires.	
	Wedging a fire door open which should be kept shut at all times.	
	Large quantities of paper lying around, particularly if people are allowed to smoke in the office.	
	Not lifting properly.	
Remedies to overcome hazards in the work place		
	All electrical equipment should be tested for safety at regular intervals.	
	Wires should be bound together and run through proper ducting.	
	Back should be kept straight with legs bent while lifting.	
Health problems which can be linked using a computer		
	Eyestrain	
	Stress	
	Backache or joint aches(RSI)	
Measures to reduce health risks		
	Take regular breaks form computer work. Looking away from the screen, walking around and exercising your fingers and hands.	
	Make sure there are no reflections off the screen. If sunlight is coming in, take time to adjust the binds.	
	Use copy-holder to hold documents rather than read them from the surface of the desk.	
	Adjust your chair to the right height.	
	Adjust the brightness and contrast of the monitor to suit you.	
	Sit up straight.	
	Use special keyboards and wrist guards.	
	Make sure that your screen is clean.	

Suggested check list on The social and economic implications of the use of computers		Tick here
Health and Safety Regulation 1992		
	Analyse workstations, and assess and reduce risks.	
	Ensure workstations meet minimum requirements.	
	Plan work so there are breaks or changes of activity.	
	Provide free eye-tests.	
	Provide health and safety training and information.	
Social Issues		
	"Information Rich" and "Information Poor"	
	The Internet is changing how we interact	
	Over-reliance in technology	
	Impact on literacy	
	Faster pace of life	
	Motivation changes	
	Reduced social interaction at work	
	Changes in leisure time	
Moral issues		
	Unrestricted Internet access	
	Ease of copying of computer files	
	Computers are replacing people at work	
	Increased government surveillance	
Advantages of cashless society		
	It is far more convenient not to have to use cash.	
	The risk of being robbed is reduced. It is safer to move around.	
	You don't have to queue at the bank.	
	Credits cards allow people to buy goods and pay them at the end of the month or obtain them on credit, paying a proportion each month.	

Suggested check list on The social and economic implications of the use of computers		Tick here
Disadvantages of cashless society		
	Credit is normally given only to people who are working and have a steady source of income, so certain people won't be able to get it.	
	It is possible for people to spend more than they can really afford so they can get easily into debt.	
	More information is kept about individuals. Inevitably some of this will be incorrect and lead to people wrongly being refused cash or credit cards.	
	It is harder for people to keep track of how much they have spent.	
Examples of downside of Internet		
	Shopping on the Internet will attract fraud and thieves.	
	Illegal materials - detailed instructions on how to make bombs and their dangerous products are freely available on the Internet	
	Pornographic, obscene, indecent and immoral material can be downloaded by anyone.	
	Starting rumours – it is easy to spread rumours using the Internet through chatrooms.	
Examples of consequences of system failure		
	A failure during a batch update of a sequential master file is irritating and will cause delay	
	A failure in an air traffic control system could well have catastrophic results	
Examples of computer crime		
	The cracking of ineffective security systems to gain unauthorized access to commercially sensitive or confidential data	
	Fraud through improper transfer of funds from one account to another	
Measures taken to combat computer crime		
	Physical security	
	Development of complex security codes and systems	
	Encryption of sensitive data	
	Monitoring of all attempts to access the system	

Virus protection measures		
	Avoid the use of any programs of doubtful origin, such as free software.	
	Write-protect disk	
	Avoid sharing diskettes/computers.	
	Use of antivirus software and updating the virus definition files.	
	Back up files on a regular basis.	
Possible dangers of losing files		
	Lost e.g. losing storage discs/tapes, bad filename	
	Destroyed e.g. natural disaster, accidental deletion	
	Corrupted e.g. scratches on a disc/ faulty disc drives , electronic interference	
	Modified e.g. accidentally overwritten, fraud, updated with wrong data.	
	Accessed by unauthorized	
Recover lost data		
	Use of back up file	
	Uninterruptible Power Supply (UPS)	

Suggested check list on The social and economic implications of the use of computers		Tick here
Data Protection Act		
	Personal data must be obtained and processed fairly and lawfully.	
	Personal data must be held for specific purposes.	
	Personal data must not be used for any reason incompatible with its original purpose.	
	Personal data should be relevant and adequate.	
	Personal data must be accurate and up-to-date.	
	Personal data must not be kept longer than necessary.	
	Personal data must be made available to the individual concerned and provision made for correction.	
	Personal data must be kept secure.	
Misuse of computers at work		
	Wasting time playing games when they should be working.	
	Installing illegal software, thus placing the firm in a difficult position.	
	Running private business interests on the company's equipment.	
	Visiting questionable websites, wasting work time and placing the company in a dubious position.	
	Circulating irrelevant or offensive material via the company's email system.	
Computer Misuse Act		
	It is illegal to unauthorized access to computer material(e.g. hacking). This include viewing of network you are not permitted to see and the illegal copying of programs(software piracy).	
	It is illegal to gain unauthorized access to computer to carry out serious crimes like fraud and blackmail.	
	It is illegal to unauthorized changing of computer files including planting of viruses and deleting files.	
How Copyright Laws may be broken		
	Using software without proper licence.	
	Downloading text or images from the Internet and using them without saying where you got them, or without receiving the copyright owner's permission.	
	Copying a computer program you use at work and running it on a computer at home, without the permission from the copyright holder.	

Web Links

Computer Control

<http://www.teach-ict.com/gcse/software/control/miniweb/index.htm>

<http://www.bbc.co.uk/schools/gcsebitesize/ict/measurecontrol/0computercontrolrev1.shtml>

Data Logging

<http://www.teach-ict.com/gcse/software/datalogging/miniweb/index.htm>

<http://www.bbc.co.uk/schools/gcsebitesize/ict/measurecontrol/3dataloggingrev1.shtml>

E-commerce

<http://www.teach-ict.com/gcse/theory/ecommerce/miniweb/index.htm>

Banking & ICT

<http://www.teach-ict.com/gcse/theory/banking/miniweb/index.htm>

CAM

http://www.teach-ict.com/gcse/software/cadcam/students/shome_cadcam.htm

Expert System

<http://www.bbc.co.uk/schools/gcsebitesize/ict/databases/0datainforev6.shtml>

http://www.teach-ict.com/as_a2/topics/rule_based_systems/rule_based_systems.htm

Robotics

<http://www.teach-ict.com/gcse/software/robotics/miniweb/index.htm>

<http://www.merlinrobotics.co.uk/merlinrobotics/?gclid=CInwvIDM2osCFR0TTAod5U-UXQ>

Education & ICT

<http://www.teach-ict.com/gcse/theory/education/miniweb/index.htm>

Web Links

Entertainment

<http://www.bbc.co.uk/schools/gcsebitesize/dida/multimedia/productsrev5.shtml>

<http://www.teach-ict.com/gcse/theory/social/miniweb/entertainment.htm>

Automation

<http://en.wikipedia.org/wiki/Automation>

Employment & ICT

http://www.teach-ict.com/gcse/theory/work_and_employment/miniweb/index.htm

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/2workpatternsrev1.shtml>

Lifestyles

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/1lifestylerev4.shtml>

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/1lifestylerev2.shtml>

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/1lifestylerev1.shtml>

Health & safety

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/3healthandsafetyrev1.shtml>

<http://www.teach-ict.com/gcse/theory/healthsafety/miniweb/index.htm>

Moral & Social Issues

<http://www.bbc.co.uk/schools/gcsebitesize/ict/implications/0moralandsocialissuesrev1.shtml>

Video Conferencing

<http://www.webex.com/overview/video-conferencing.html>

Web Links

Computer Crimes

<http://www.teach-ict.com/gcse/theory/crime/miniweb/index.htm>
<http://www.bbc.co.uk/schools/gcsebitesize/ict/legal/1misuesrev1.shtml>

Sound file on Network security and Video on Phishing:

<http://www.ictgcse.com/?act=podcast>

News on computer crimes:

http://www.teach-ict.com/news/news_crime.htm
http://www.teach-ict.com/news/news_hacking.htm

Computer Viruses

http://www.teach-ict.com/gcse/theory/virus/student/shome_virus.htm

On-line Quiz on computer viruses

http://www.teach-ict.com/gcse/theory/virus/student/s_virus_quiz.htm

Data Protection

<http://www.bbc.co.uk/schools/gcsebitesize/ict/legal/0dataprotectionactrev1.shtml>
<http://www.teach-ict.com/gcse/theory/dpa/miniweb/index.htm>

Data & Computer Misuse

<http://www.bbc.co.uk/schools/gcsebitesize/ict/legal/1misuesrev1.shtml>

Copyright

<http://www.bbc.co.uk/schools/gcsebitesize/ict/legal/2copyrightrev1.shtml>
http://www.teach-ict.com/gcse/theory/copyright_patents_act/teacher/copyrt_theory.htm