

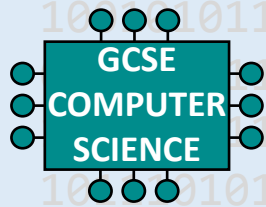
# Ethical, legal, cultural & environmental concerns

## Ethical Issues

**“The ethical and moral issues which have come about in modern society due to the increase use of computer science and its related technologies. e.g. Losing/changing jobs. Efficiency: robots work 24/7.**

**Access to IT is not equal (digital divide). Invasion of privacy. Responsibility for content on the internet. ”**



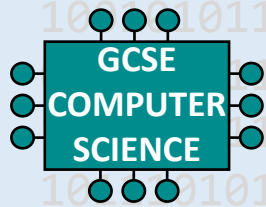


# Ethical, legal, cultural & environmental concerns

## Legal Issues

**“The legal issues which have come about in modern society due to the increase use of computer science and its related technologies. e.g. Copyright and ownership of digital content, different laws in different countries (crime may be committed in a certain country, but the people committing the crime could be physically located in another), hacking, piracy. ”**



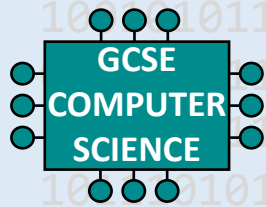


# Ethical, legal, cultural & environmental concerns

## Cultural Issues

**“The cultural moral issues which have come about in modern society due to the increase use of computer science and its related technologies. e.g. Censorship to prevent political unrest and preserve culture. Geography & economy of a country affects access to networks and power. Increased mobile technology impacts on how people communicate: cyberbullying. ”**



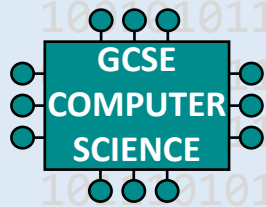


# Ethical, legal, cultural & environmental concerns

## Environmental Issues

**“The environmental issues which have come about in modern society due to the increase use of computer science and its related technologies. e.g. Manufacturing computers uses fossil fuels. Limited number of natural resources. Data centres use 2% of global energy. Computers contain hazardous materials, often shipped to other countries for disposal. ”**



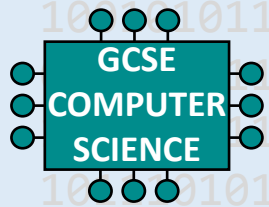


# Ethical, legal, cultural & environmental concerns

## Privacy Issues

**“The privacy issues which have come about in modern society due to the increase use of computer science and its related technologies. e.g. Increase in always on, voice activated devices in the home. Rise in CCTV. Rise in social networking and GPS tracking.”**



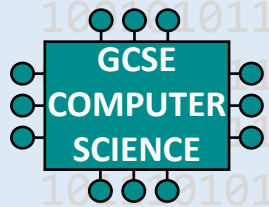


# Ethical, legal, cultural & environmental concerns

## Stakeholder

**“Anyone with an interest in a business. e.g. Company owners: profits & reputation. Workers: jobs & salary. Customers: price & convenience. Suppliers: costs. Local community: environment & jobs.”**





# Ethical, legal, cultural & environmental concerns

## Open Source Software

**“Users can modify and distribute the software. Can be installed on any number of computers. Support provided by the community. Users have access to the source code. May not be fully tested.”**

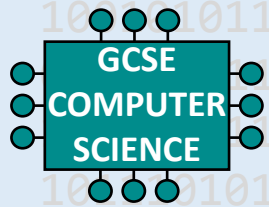


## Proprietary Software

**“Users cannot modify the software. Copyright protected. Usually paid for. Licensed per user or per computer. Support provided by developers. Users do not have access to the source code. Fully tested and supported by developers.”**







# Ethical, legal, cultural & environmental concerns

## Data Protection Act

**“Legislation which protects individuals from unreasonable use of their store personal data.”**



## Computer Misuse Act

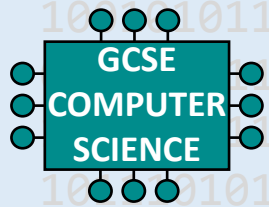
**“Legislation which defines electronic vandalism, unauthorised access to computer systems and theft of information.”**



## Copyright Designs and Patents Act

**“Legislation which gives creators of literary, dramatic, musical and artistic works the right to control the ways in which their material may be used.”**



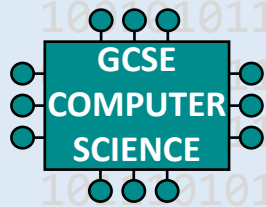


# Ethical, legal, cultural & environmental concerns

## Creative Commons Licensing

**“A way to grant copyright permissions to creative work. It allows an author to retain copyright while allowing others to copy, distribute, and make some uses of their work.”**





# Ethical, legal, cultural & environmental concerns

## Freedom of Information Act

**“Members of the public can request information from public bodies about their activities. Public authorities are obliged to publish data about their activities when asked.”**

