

Topic: Unit 1.6 Ethical, Legal, Cultural and Environmental Impacts of Digital Technology

Key vocabulary:	Core knowledge questions	Powerful knowledge crucial to commit to long term memory	Links to previous and future topics	
Digital Technology Ethics Principles Professional Bodies Cultural Character Sets Digital Divide Environmental Legal Issues Privacy The Data Protection Act 1998 Personal Details Secure Fair Lawful Adequate	Relevant Accurate Computer Misuse Act 1990 Unauthorised Access Modification Hacking Copyright Designs and Patents Act 1988 Creator Copy Distribute Licence Open Source Proprietary Source Code Compiled Bugs	1. What are the impacts of digital technology on wider society including? <ul style="list-style-type: none"> Ethical Issues Legal Issues Cultural Issues Environmental Issues Privacy Issues 2. What is the Legislation relevant to Computer Science, including? <ul style="list-style-type: none"> The Data Protection Act 2018 Computer Misuse Act 1990 Copyright Designs and Patents Act 1988 Software Licences: <ul style="list-style-type: none"> Proprietary Open Source 	<ul style="list-style-type: none"> Understand how technology introduces ethical, legal, cultural, environmental and privacy issues Knowledge of a variety of examples of digital technology and how this impact on society Have an ability to discuss the impact of technology based around the issues listed The purpose of each piece of legislation and the specific actions it allows or prohibits The need to license software and the purpose of a software license Features of Open Source software Features of Proprietary software Be able to recommend a type of licence for a given scenario including benefits and drawbacks 	<ul style="list-style-type: none"> Ethical, Legal, Cultural and Environmental Impacts are covered in Y7 and Y8 Ethical, Legal, Cultural and Environmental Impacts are fundamental to Computer Science and will be revisited throughout the course.

We will develop these skills:

Impressive reading	Impressive speaking	Impressive writing	Resilience	Numeracy via:	Digital Literacy via:	Employability via:
Research using the Internet to find relevant and appropriate information about Ethical, Legal, Cultural and Environmental Impacts. Interpreting scenarios to identify impacts of digital technology as well as relevant legislations	Discussion of research findings. Discussion in groups of Ethical, Legal, Cultural and Environmental Impacts. Discuss Interpretations of scenarios to identify impacts of digital technology as well as relevant legislations	Recording research findings appropriately. Writing key terms for Ethical, Legal, Cultural and Environmental Impacts. Interpreting scenarios to identifying impacts of digital technology as well as relevant legislations. Writing definitions. Answering exam questions	Developing ability to consistently amend and refine work. Listen to others' opinions		Use of the Internet Use of MS Office Suite	Teamwork – working in groups Flexibility – taking on opinions of others Problem Solving – using information to assess Ethical, Legal, Cultural and Environmental Impacts. Interpreting scenarios to identify impacts of digital technology as well as relevant legislations

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- Peer Support - Some students may be more aware of Ethical, Legal, Cultural and Environmental Impacts as well as relevant legislations – use these students as Lead Students
- Differentiated Activities and Tasks, choice of tasks for certain activities, support sheets
- Questioning
- Flipped Learning resources for students to study either prior to or after lesson
- Peer Assessment / Support on labelling tasks
- Scaffolded resources, gapped handouts