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| **Core Knowledge Map** |
| Subject: Computer Science | Year: 9 | Term: 2.5 |
| What are we learning? |
| Ethics, Cultural, Legal and Environmental Impacts of Computer Systems |
| How will I be assessed  |
| You will be asked to do several research essays/articles on the various sections in this topic. You will mark your own work and get feedback from your teacher |
| Big questions: |
| Is bitcoin good for the environment?What is the Digital Divide?What are the ethical implications of Artificial Intelligence?How has technology changed our culture? |
| How does this build on previous learning? | How will this link to my future learning? |
| This will draw from the previous more technical topics covered and build the social and environmental understanding of the subject | This will give a more rounded view of the benefits and drawbacks of a more technological society. This will be used in GCSE and is applicable to real world scenarios |
| Core knowledge: | Key vocabulary: |
| What Laws cover using and creating computer systems?* UK GDPR
* The Communications Act
* The Computer Misuse Act

What are ethics and how do they affect computers?* Ethics Vs. Morals

Cryptocurrency – how does it work and is it a good thing?* Energy use of computers

Environmental impacts of technology – the rise of e-waste.* What components of computers are recyclable?
* What are heavy metals?
 | GDPRPrivacyWasteEnergyRaw materialComponentAffluenceAIBlockchain  |
| Need more help? |
| 1. [Computers and the law - The law and ethics - KS3 Computer Science Revision - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z9nk87h/revision/1)
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