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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? | | GDPR  Privacy  Waste  Energy  Raw material  Component  Affluence  AI  Blockchain | |
| 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) | | | |