

Computer Science Super Curriculum Jan – Feb

Year 7

Read **‘Computational Fairy Tales’ by Jeremy Kubica**

A romp through the principles of computational thinking, illustrating high-level computer science concepts, the motivation behind them, and their application.

Watch this TED Talk to learn how technology might be built into many everyday object in the future

https://www.ted.com/talks/ivan_poupyrev_everything_around_you_can_become_a_computer

Year 8

Read about ‘Computational Thinking’ on BBC Bitesize

<https://www.bbc.co.uk/bitesize/subjects/zvc9q6f>

Watch BBC Click <https://www.bbc.co.uk/programmes/b006m9ry>

Watch this weekly BBC television programme covering news and recent developments in the world of consumer technology and innovations.

Year 9

Read some pupils thoughts on ‘**Is computer science a good GCSE option to do?**’

<https://www.thestudentroom.co.uk/showthread.php?t=3790029>

Watch this youtube video which explains what computer science involves.

https://www.youtube.com/watch?v=SzJ46YA_RaA

Year 10

Read and subscribe to **‘Hello World’ magazine** (its free!)

<https://helloworld.raspberrypi.org/>

Watch this youtube video which explains possible careers for computer scientists.

<https://www.youtube.com/watch?v=2VpDcjFshJl>

Year 11

Read: **Code: The Hidden Language of Computer Hardware and Software** by Charles Petzold

Watch this youtube playlist: How the Internet works

<https://www.youtube.com/playlist?list=PLzdnOP1iJNfMRZm5DDxco3UdsFegvuB7>