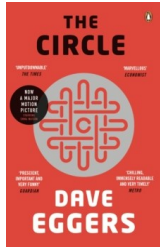


Fiction & Non-Fiction



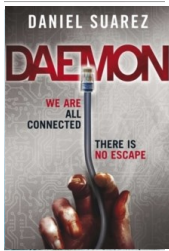
The Circle by Dave Eggers

Set on a sprawling Californian campus this techno thriller that is fast, witty and ever so slightly unsettling.



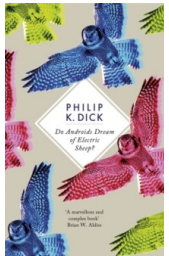
Machines Like Me by Ian McEwan

A synthetic human plus a tailor made personality equals a beautiful, strong and clever near-perfect human, resulting in a love triangle and a moral dilemma like no other.



Daemon by Daniel Suarez

Matthew Sobol, programming genius and founder of Cyberstorm Entertainment, Silicon Valley's elite is found dead. What does his final creation The Daemon have to do with it and can it be stopped in this high octane thriller for the digital age.



Do Androids Dream of Electric Sheep? by Philip K Dick

Popularly known as Blade Runner, it's film incarnation, this sci-fi classic tells of android stalking in a 21st century megalopolis where who is human and what is human is questioned.



Hidden Figures by Margot Lee Shetterly

Set amid the civil rights movement, the true story of NASA's African American female human computers who played a crucial role in America's space program.

Websites

- <https://www.theguardian.com/uk/technology>
- <https://www.bbc.co.uk/news/technology>
- <https://www.theregister.co.uk/>
- <http://www.cs4fn.org/>
- <https://www.wired.co.uk/>
- <https://www.tnmoc.org/>
- <https://www.gchq.gov.uk/>

Podcasts

- BBC Radio 5 **Let's Talk About Tech**—Gaming podcast discussing the world of video games and games culture.
- BBC News World Service **Tech Tent**—How the technology business is transforming the way we live and work.
- **Wired** - cool stories, engaging interviews and experienced insight from this popular magazine.



The school subscribes to JSTOR, a digital library of academic journals, e-books and primary sources.

Inspiration

“What a computer is to me is the most remarkable tool that we have ever come up with. It's the equivalent of a bicycle for our minds.” **Steve Jobs**

Learning Resource Centre 2023/24

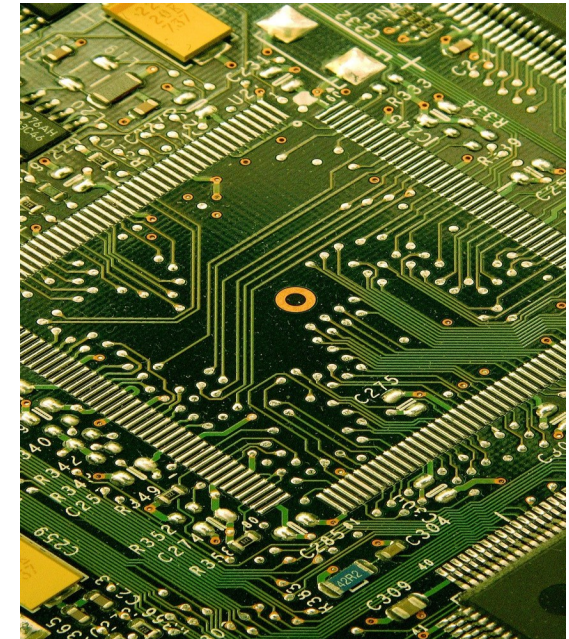


COMPUTER SCIENCE

SUBJECT RESOURCES FOR R6 STUDENTS

All available from the

LEARNING RESOURCE CENTRE



Learning Resource Centre 2023/24

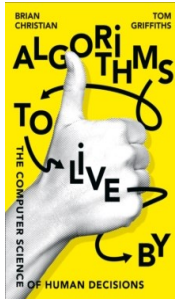
Non-Fiction

Books you may find useful to broaden your Computer Science knowledge will be found in libraries under the following Dewey Decimal numbers:

Computer Science: 000 **Data Processing:** 004

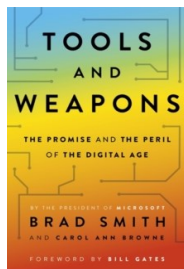
Computer programming: 006 **Philosophy:** 100

Social Sciences: 300



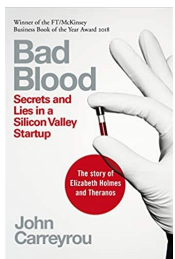
Algorithms to Live by: the Computer Science of Human Decisions by Christian & Griffiths

From finding a spouse to finding a parking spot, from organizing one's inbox to understanding the workings of human memory, this book transforms the wisdom of computer science into strategies for human living. **100**



Tools and Weapons: The Promise and Perils of the Digital Age by Brad Smith

Exploring the biggest challenges to humanity faced by the tech giants, Microsoft's President reflects on cybercrime, cyberwar and the moral issues relating to AI. **303**



Bad Blood: Secrets and Lies in a Silicon Valley Startup by John Carreyrou

Set amid the bold promises and gold rush frenzy of Silicon Valley, a gripping tale of the biggest corporate fraud since Enron. **338**



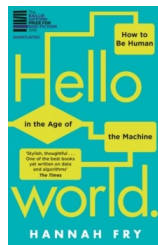
The Innovators: How a Group of Hackers, Geniuses and Geeks Created the Digital Revolution by Walter Isaacson

A who's who of the movers and shakers, past and present in the digital world. **004**



Outnumbered: From Facebook and Google to Fake News and Filter Bubbles—the Algorithms that Control our Lives by David Sumpter

How algorithms are changing our lives from our social media use to travel patterns. **303**



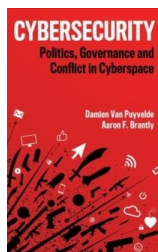
Hello World: How to be Human in the Age of the Machine by Hannah Fry

A tour of the good, the bad, and the downright ugly of the algorithms that surround us. **306**



We are Bellingcat: An Intelligence Agency for the People by Eliot Higgins

Avoiding technobabble or discussions on advanced hardware, the lucid explanations and colourful anecdotes go straight to the heart of how computers work. **070**



Cybersecurity : Politics, Governance and Conflict in Cyberspace by Brantly & Van PuyVelde

Cutting edge introduction to the key concepts , controversies, and policy debates in cybersecurity. **005**

School Information

Exam Board: OCR

Subject Leader: Mr G Mitchell

Minimum grade required: GCSE grade 5 in Maths. Students will be considered if they have a GCSE in Computer Science at Grade 4.

Periodicals & Newspapers

You may wish to consider subscribing to :



Wired

Monthly magazine focusing on how emerging technologies affect culture, the economy and politics.



New Scientist

Breaking science and technology news from around the world.



Newspapers

For a quick weekly round up of top technology comment, analysis and discussion look in the Sunday newspapers.