



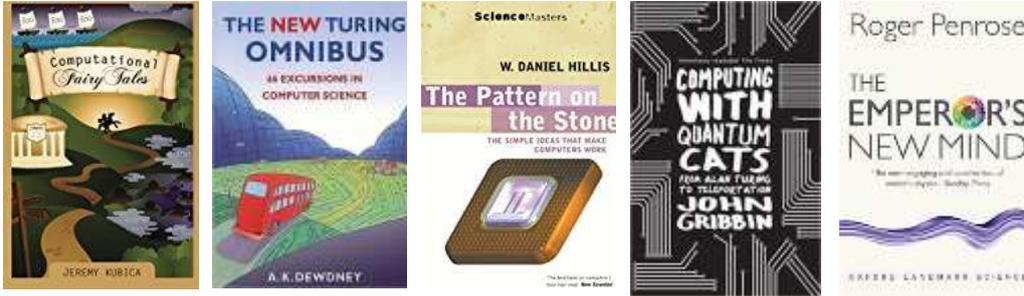
**KING EDWARD VI
CAMP HILL
SCHOOL FOR BOYS**

KS3 Supercurricular COMPUTING



For up to date information on supercurricular opportunities in Computing join the department's Computing Society Google Classroom by emailing your Computing teacher and follow the department Twitter feed (@kech_compsci).

Reading

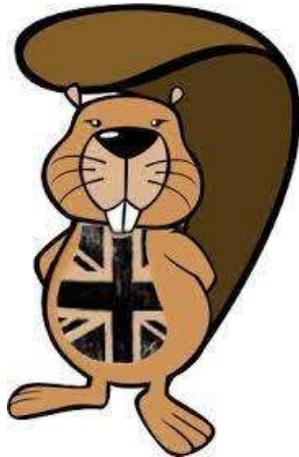


Computational Fairy Tales, J. Kubica	978-1477550298
The new Turing Omnibus: 66 Excursions in Computer Science, A.K. Dewdney	978-0805071665
The Pattern on the Stone: The Simple Ideas that Make Computers Work, D.Hillis	
Computing with Quantum Cats, J. Gribbin	978-0552779319
The Emperor's New Mind, R. Penrose	978-0198784920

Listening and viewing

BBC Click	https://www.youtube.com/c/BBCClick/videos?app=desktop
Computerphile	https://www.youtube.com/user/Computerphile?app=desktop
Inventions that changed the world	https://www.youtube.com/watch?v=rTsHnxS5bg0
Carrie Anne Philbin: Crash course in Computer Science	https://www.youtube.com/watch?v=tplctyqH29Q&list=PLq0Imqvdtkf50DOOpC47G5MXTc3GxUFC4
TED Technology	https://www.ted.com/topics/technology
This Week in Tech podcast	https://podcasts.apple.com/us/podcast/this-week-in-tech-video-large/id358612594
Stack Overflow podcast	https://stackoverflow.blog/podcast/
Mr Brown CS	https://www.youtube.com/channel/UCsBxhDfwURg-vQASN2ZeHwg
New Scientist – Tech pages	https://www.newscientist.com/subject/technology/

Competitions



Bebras (all year groups, open to all)

TCS Oxford (qualify via Bebras)

Braben Cup (open to all*, team competition)

*Relies on Python coding skills



[Challenge.bebas.uk](https://challenge.bebas.uk)

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[Persecoding.com](https://persecoding.com)

Resources

Learn HTML/CSS/Python

[W3schools.co.uk](https://www.w3schools.co.uk)

BBC Bitesize

<https://www.bbc.co.uk/bitesize/subjects/z34k7ty>

CAS TV

<https://www.youtube.com/user/computingatschool/videos>

Stack Overflow

<https://stackoverflow.com/>

MIT Intro to CS and Programming

<https://www.edx.org/course/introduction-to-computer-science-and-programming-7>

EDX programming / CS

<https://www.edx.org/learn/computer-programming>

CyberChef (great for encryption/code puzzles)

<https://gchq.github.io/CyberChef/>

Note: Some of the above may be blocked inside school!

Following

@kech_compsci

@SchoolCoders

@BBClick

@TheGadgetShow

@guardiantech

@BBCTech

@Codecademy

@CompSciFact

Doing

National Museum of Computing

Tnmoc.org.uk

CyberFirst Defenders & Futures

[Competitions, games and free courses (some residential)]

<https://www.ncsc.gov.uk/section/education-skills/schools>

Codecademy

[platform for learning various coding languages]

<https://www.codecademy.com/catalog>

CodeClub (9-13)

<https://codeclub.org/en/>

Cyber Explorers

[UK gov supported Cyber-based games]

<https://www.cyberexplorers.co.uk/>