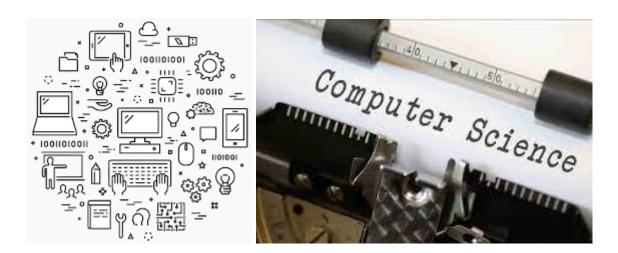# KING EDWARD VI CAMP HILL SCHOOL FOR BOYS

For up to date information on supercurricular opportunitities 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=tpIctyqH29Q&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

Oxford University Computer Science podcasts   https://podcasts.ox.ac.uk/series/computer-science

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	**Challenge.bebras.uk**
TCS Oxford	**Challenge.bebras.uk**
Braben Cup	**Persecoding.com**
British Informatics Olympiad	**https://www.olympiad.org.uk/**
British Algorithmic Olympiad	**https://bao.org.uk/**

Resources

Learn HTML/CSS/Python	**W3schools.co.uk**
BBC Bitesite	**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**
MAT test papers, etc.	**https://www.ox.ac.uk/admissions/undergraduate/applying-to-oxford/guide/admissions-tests/mat**

Following

@kech_compsci   @guardiantech

@SchoolCoders   @BBCTech

@BBCClick   @Codecademy

@TheGadgetShow   @CompSciFact

Doing

National Museum of Computing	**Tnmoc.org.uk**
CyberFirst Defenders & Futures	**https://www.ncsc.gov.uk/section/education-skills/schools**
Codecademy	**https://www.codecademy.com/catalog**
CyberFirst Advanced	**https://www.ncsc.gov.uk/section/education-skills/schools**