



KING EDWARD VI SCHOOL  
SHAKESPEARE'S SCHOOL

## COMPUTER SCIENCE – SIXTH FORM READING LIST

\*In stock in the School Library

You **MUST** follow @KES\_Computing Twitter Feed!

*Algorithmic Puzzles*

Anany Levitin and Maria Levitin  
O.U.P., 2011.

*The Annotated Turing: A Guided Tour through Alan Turing's Historic Paper on Computability and the Turing Machine*

Charles Petzold  
John Wiley & Sons, 2008

*A Brief History of the Future: Origins of the Internet (2<sup>nd</sup> edition) \**

John Naughton  
W&N, 2000.

*The Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary (Revised edition)*

Eric S. Raymond  
O'Reilly Media, 2001.

*Code: The Hidden Language of Computer Hardware and Software \**

Charles Petzold  
Microsoft Press, 2000.

*The Code Book: The Secret History of Codes and Code Breaking \**

Simon Singh  
Fourth Estate, 2002.

*Computational Fairy Tales*

Jeremy Kubica  
CreateSpace Independent Publishing, 2012.

*Computer Science: An Overview- Global Edition (12<sup>th</sup> edition)*

J. Glenn Brookshear and Dennis Brylow  
Pearson, 2014.

*Foundations of Computer Science*

A. V. A. and J. D. U.  
Stanford University 1994 (available on shared area)

*The Information: a history, a theory, a flood \**

James Gleick  
Fourth Estate, 2012.

*The New Turing Omnibus: 66 Excursions in Computer Science*  
K. Dewdney  
Palgrave Macmillan, 2003.

*Out of their Minds: The Lives and Discoveries of 15 Great Computer Scientists*  
Dennis Shasha and Cathy Lazere  
Springer, 2008.

*The Pattern on the Stone: the simple ideas that make computers work \**  
W. Daniel Hillis  
Basic Books, 1999.

*The Pleasures of Counting*  
T. W. Korner  
C.U.P., 1996.

*Where Wizards Stay Up Late: The Origins of the Internet*  
[Katie Hafner](#) & [Matthew Lyon](#)  
Simon & Schuster 1998

For further information about these books, plus details of useful websites, go to the University of Oxford's Computer Science Departmental website covering background reading and activities:  
[http://www.cs.ox.ac.uk/admissions/undergraduate/why\\_oxford/background\\_reading.html#Book](http://www.cs.ox.ac.uk/admissions/undergraduate/why_oxford/background_reading.html#Book)

*Updated by R. Barfoot (04/01/2022)*