COMPUTER SCIENCE – SIXTH FORM READING LIST

*In stock in the School Library

Algorithmic Puzzles *
Anany Levitin and Maria Levitin
O.U.P., 2011.

Code: The Hidden Language of Computer Hardware and Software *
Charles Petzwold
Microsoft Press, 2000.

Computing with Quantum Cats: From Alan Turing to Teleportation: From Colossus to Qubits *
John Gribbin
 MIT Press, 2015.

Computational Fairy Tales *
Jeremy Kubica
CreateSpace Independent Publishing, 2012.

Computer Science: An Overview- Global Edition (12th edition) *
J. Glenn Brookshear and Dennis Brylow
Pearson, 2014.

Foundations of Computer Science
A. V. A. and J. D. U.
Stanford University 1994 (available in the Computer Science Digital Classroom)

Hello World: How to be Human in the Age of the Machine
Hannah Fry *
Black Swan, 2019

Hidden Figures: The American Dream and the Untold Story of the Black Women Who Helped Win the Space Race *
Margot Lee Shetterly
HarperCollins, 2016

Klara and the Sun *
Kazuo Ishiguro
Faber & Faber, 2021

The Code Book: The Secret History of Codes and Code Breaking *
Simon Singh
Fourth Estate, 2002.

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.

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

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

Updated by J. Winder (06/12/2023)