



Ark Greenwich Free School

Recommended Physics Books

Big Bang by Simon Singh

A very readable history of Astronomy

http://www.amazon.co.uk/Big-Bang-Important-Scientific-Discovery/dp/0007152523/ref=sr_1_1?s=books&ie=UTF8&qid=1284323755&sr=1-1

In Search of Schrödinger's Cat by John Gribbin

An introduction to quantum physics

http://www.amazon.co.uk/Search-Schrodingers-Cat-John-Gribbin/dp/0552125555/ref=sr_1_1?ie=UTF8&s=books&qid=1264764988&sr=1-1

Schrödinger's Kittens by John Gribbin

More quantum physics, teleportation etc

http://www.amazon.co.uk/Schrodingers-Kittens-Search-Reality-Gribbin/dp/1857994027/ref=pd_sim_b_1

In Search of Superstrings: Symmetry, Membranes and the Theory of Everything by John Gribbin

Despite the name contains a good description of particle physics..

http://www.amazon.co.uk/Search-Superstrings-Symmetry-Membranes-Everything/dp/1840468327/ref=sr_1_10?ie=UTF8&s=books&qid=1264766712&sr=8-10

The Elegant Universe by Brian Greene

String theory, very readable.

http://www.amazon.co.uk/Elegant-Universe-Superstrings-Dimensions-Ultimate/dp/009928992X/ref=pd_bxgy_b_img_c

Physics of the Impossible by Michio Kaku

Discusses physics of science fiction, force fields, invisibility cloaks, teleportation, time travel etc and assesses how likely we are to achieve these.

http://www.amazon.co.uk/Physics-Impossible-Scientific-Exploration-Teleportation/dp/0141030909/ref=sr_1_1?ie=UTF8&s=books&qid=1264766006&sr=1-1

Light Years – An exploration of mankind's enduring fascination with light by Brian Clegg

Another very readable book. Takes the reader through the history of our understanding of light right up to the present day.

http://www.amazon.co.uk/Light-Years-Exploration-Mankinds-Fascination/dp/0230527256/ref=sr_1_3?s=books&ie=UTF8&qid=1284323926&sr=1-3

Six Easy Pieces

Six Not-So-Easy Pieces

QED – the strange Theory of Light and Matter

All by Richard Feynman

50 Physics Ideas you really need to know by Joanne Baker

Nice to dip into – and hopefully be inspired to follow up some of the ideas with further reading.



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http://www.amazon.co.uk/Physics-Ideas-Really-Need-Know/dp/1847240070/ref=sr_1_6?s=books&ie=UTF8&qid=1284324619&sr=1-6

Why does $E = mc^2$? By Brian Cox and Jeff Forshaw

A good introduction to relativity

http://www.amazon.co.uk/s/ref=nb_sb_noss?url=search-alias%3Dstripbooks&field-keywords=why+does+e+%3D