

Are you looking for some interesting reads? If so, check out our list of recommendations below, there's something for everyone – including your dog! From quantum classics to books for babies, our list includes all of the absolute must reads in the field of quantum.

John Polkinghorne, 2002, Quantum Theory: A very short introduction, OUP Oxford

Part of the Very Short Introduction series, published by Oxford University Press, this classic book is a concise discussion of the subject that also offers further reading notes, a glossary and a mathematical appendix for those interested in the equations.

Jim Al-Khalili, 2012, Quantum: A guide for the perplexed, W&N

Al-Khalili's capacity for communicating complex concepts in clear, lucid terms is not often disputed and this is a clear example of his ability to make every subject he engages with fascinating yet knowable. A classic for a reason – outstanding!

John Gribbin, 1985, In Search of Schrödinger's Cat: quantum physics and reality, Black Swan

From AS Byatt: "Precise yet mysterious ... as beautiful as a poem and as exciting as a novel". Need we say more? An incredibly clear and well written introduction to the subject.

JP McEvoy & Oscar Zárate , 2007, Introducing Quantum Theory: A Graphic Guide, Icon Books Ltd

If you are favouring graphic novels over standard prose, then this is the book for you. Deceptively brief, this is a very accessible yet all-encompassing discussion of the key figures and concepts in quantum mechanics. Great fun!

Marcus Chown, 2014, Quantum Theory Cannot Hurt You: Understanding the Mind-Blowing Building Blocks of the Universe, Faber & Faber

A very good addition to the genre, written in the great popular science tradition of jaw dropping analogies used to introduce complex ideas.

Chris Ferrie, 2017, Quantum Physics for Babies, Sourcebooks, Inc

Given that it's never too early to introduce the youngsters in your life to science, this is the book to get them started (gnawing) on quantum physics. Soon to be followed by ...

Sheddad Kaid-Salah Ferrón and Eduard Altarriba's, 2018, My first book of Quantum Physics, Button

Incredibly wide encompassing yet clear introduction with very attractive illustrations – a joy to read!

Chad Orzel, 2010, How to teach quantum physics to your dog, Oneworld Publications

Charming introduction to the subject matter

Leonard Susskind and Art Friedman, 2013, Quantum Mechanics: The Theoretical Minimum, Penguin

Not for the faint hearted, but if you are serious about studying quantum physics, this is the ticket – equations and all!

Michael G Raymer, 2017, Quantum Physics: What Everyone Needs to Know, Oxford University Press

Excellent contribution to the genre, explaining in simple terms complex notions, but also expanding beyond the science into potential applications of the new technologies based on quantum mechanics. Very impressive!

Manjit Kumar, 2009, Quantum: Einstein, Bohr and the Great Debate About the Nature of Reality, Icon Books

Shortlisted for the Samuel Johnson Prize for Non-Fiction book of the Year (2009), this is an outstanding book – clear, thoughtful, expansive. A must-read for anyone interested in the debate.

John Gribbin, 2013, Computing with Quantum Cats: From Alan Turing to Teleportation: From Colossus to Qubits, Bantam Press

More focused on quantum computing as opposed to being a wide treatise on quantum theory, this is a very good introduction to the topic.

Brian Cox & Jeff Forshaw, 2011, The Quantum Universe: Everything that can happen does happen, Penguin

The clue is in the title. A must-read classic!

Simon Singh, 2010, The Code Book: the secret history of codes and code-breaking, Fourth Estate

Not strictly a “quantum book” but a must for anyone interested in methods of encrypted communications including quantum cryptography

Richard Feynman, 1985, QED – The Strange Theory of Light and Matter, Princeton University Press

A classic. Nobel Prize-winning physicist Richard Feynman, renowned for his ability to convey even the most complex of concepts clearly, explains quantum electrodynamics for the lay reader, without distorting any of the physics.

Alastair I.M. Rae, 2012, Quantum Physics, Second Edition: Illusion or Reality?, Cambridge University

A concise and considered introduction to the subject of quantum physics. A must read for those who want to take the leap into the field of quantum!

Bluffer's, 2018, Bluffer's Guide To The Quantum Universe, J H Haynes & Co Ltd

Exactly as the title suggests. A must read to discover everything you need to know to sound all-knowing.