

KS5 Reading List for Physics

TITLE & AUTHOR

Core A-Level Physics Support

1. **"A-Level Physics for OCR A Student Book" by CGP Books**
A highly recommended textbook aligned with the OCR A syllabus, offering concise explanations and practice questions.
2. **"A-level Physics for OCR" by Gurinder Chadha available on Kerboodle**
A complete textbook for A-level Physics OCR A specification offering good explanations of modules 1 to 6 and applications of where Physics is used in the real world. Also has summary questions, visual summaries, checklists, practice questions which also cover maths and practical skills. Additional resources available via the web-site.
3. **"Advanced Physics" by Steve Adams and Jonathan Allday**
A comprehensive book that covers A-level and introductory university physics topics, presented in a clear and engaging style.

Broader and Popular Science Reading

4. **"Six Easy Pieces" by Richard P. Feynman**
A collection of fundamental physics lectures by Nobel laureate Richard Feynman, offering intuitive explanations of core concepts.
5. **"The New Physics for the Twenty-First Century" edited by Gordon Fraser**
An introduction to cutting-edge topics in physics, perfect for those curious about modern advancements.
6. **"A Brief History of Time" by Stephen Hawking**
A classic exploration of cosmology and black holes, offering a deeper understanding of the universe.
7. **"Why Does $E=mc^2$?" by Brian Cox and Jeff Forshaw**
A clear and engaging explanation of Einstein's famous equation and the principles of relativity.

Enrichment and Problem Solving

8. **"Fundamentals of Physics" by David Halliday, Robert Resnick, and Jearl Walker**
Packed with problems and exercises, this textbook is ideal for strengthening problem-solving skills.
9. **"200 Puzzling Physics Problems" by Peter Gnadig, Gyula Honyek, and Ken Riley**
Challenges your thinking with puzzles and problems that go beyond the standard curriculum.

10. **"The Feynman Lectures on Physics" by Richard P. Feynman, Robert B. Leighton, and Matthew Sands**

A detailed and inspiring resource that delves deeply into physics concepts, suitable for ambitious students.

Tip: Pair reading with practice problems for the best results