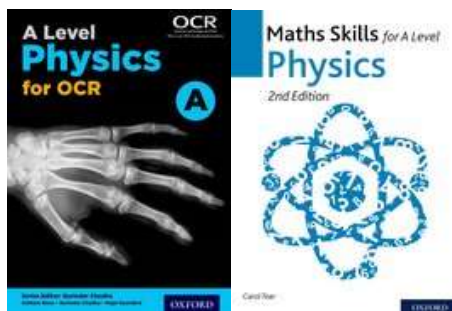


# Welcome to A Level Physics

## What you can read:

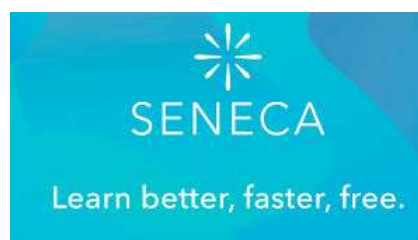
- **'A Level Physics A for OCR Student Book'**, Gurinder Chadha, ISBN: 9780198352181, Oxford University Press
- **'Maths Skills for A Level Physics'**, Carol Tear, ISBN: 978-0-19-842898-5, Oxford University Press
- **'OCR A Level Physics Specification'**, <https://www.ocr.org.uk/qualifications/as-and-a-level/physics-a-h156-h556-from-2015/>



## What you can do:

Use the website <https://www.senecalearning.com/> and search for the course **'Physics: OCR A A Level'**, you do not need an account with Seneca to access these resources. These will really help you with the core knowledge of our first term. Work through the interactive exercises:

- 1.1 Physical Quantities
- 1.2 Errors and Uncertainty
- 1.3 Scalars and Vectors
- 2.1 Motion
- 2.2 Forces in Action
- 2.3 Work, Energy and Power
- 2.4 Materials



Watch the following TED talks, these videos are both really useful for the course and also very interesting.

- Jonathan Butterworth **'What's the smallest thing in the universe?'**  
[https://www.ted.com/talks/jonathan\\_butterworth\\_what\\_s\\_the\\_smallest\\_thing\\_in\\_the\\_universe](https://www.ted.com/talks/jonathan_butterworth_what_s_the_smallest_thing_in_the_universe)
- Steven Cowley **'Fusion is energy's future'**  
[https://www.ted.com/talks/steven\\_cowley\\_fusion\\_is\\_energy\\_s\\_future](https://www.ted.com/talks/steven_cowley_fusion_is_energy_s_future)
- Jim al Khalili **'How quantum biology might explain life's biggest questions'**  
[https://www.ted.com/talks/jim\\_al\\_khalili\\_how\\_quantum\\_biology\\_might\\_explain\\_life\\_s\\_biggest\\_questions](https://www.ted.com/talks/jim_al_khalili_how_quantum_biology_might_explain_life_s_biggest_questions)
- Brian Cox **'CERN's Supercollider'** – this is an older video, research what has been discovered at CERN since this video was made  
[https://www.ted.com/talks/brian\\_cox\\_cern\\_s\\_supercollider](https://www.ted.com/talks/brian_cox_cern_s_supercollider)

## Contact information:

If you have questions regarding this or any other A Level course at Burnley College, please contact [alevels@burnley.ac.uk](mailto:alevels@burnley.ac.uk) or call 01282733373. We look forward to seeing you in September.