

The Life Scientific with Jim Al-Khalili

Fascinating podcasts with different scientists

<https://www.bbc.co.uk/programmes/b015sqc7/episodes/downloads>

Film

Some suggestions of films to watch with a science slant. We aren't necessarily endorsing them!

<https://www.thoughtco.com/great-realistic-physics-movies-2699222>



Physics and Astronomy zone twitter

Photos, video clips etc. Always interesting

https://twitter.com/ZonePhysics?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor

Physics World

Institute of Physics magazine. News and articles about Physics

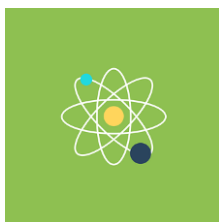
<https://physicsworld.com>



Open University: Free online introductory Physics courses



There are 2 Physics courses

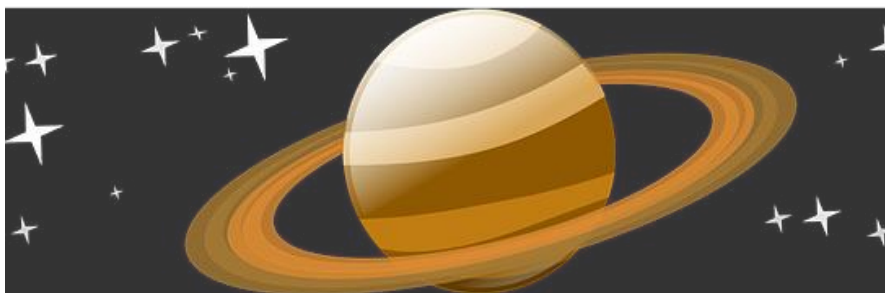
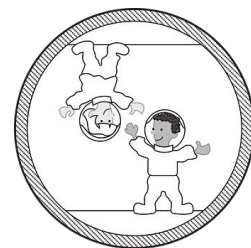


Particle Physics (5 hours study)

<https://www.open.edu/openlearn/science-maths-technology/particle-physics/content-section-0?active-tab=description-tab>

Motion under gravity (4 hours study)

<https://www.open.edu/openlearn/science-maths-technology/motion-under-gravity/content-section-0?active-tab=description-tab>



NASA

For all things astronomy-related. Download the app and be amazed at their 'image of the day'

<https://www.nasa.gov/specials/nasaathome/index.html>

MOOCS

These are Massive Open Online Courses (MOOC) is an interactive step- by- step that run for 6-8 weeks course aimed at reaching an unlimited number of participants worldwide to create a community of lifelong learners. There are many different MOOC providers that cover a huge variety of different subjects and topics. Typically, a MOOC will involve 2-3 hours of study per week for 6 weeks or so. MOOCs are free of charge. All the course materials will be provided for you online, and are also 100% free! Each course is open to anyone with internet access across the world and all you need is your wonderful brain! Here are a few Physics MOOCs you might wish to try:

<https://www.futurelearn.com/courses/technology-metals-for-a-green-future>

Technology Metals for a Green Future

Learn how critical raw materials are found and used, and explore their role in contributing to a more sustainable future.

<https://www.futurelearn.com/courses/creating-the-amazing-engineering-the-future>

Engineering the Future: Creating the Amazing

Learn more about the fascinating world of engineering, and discover where an engineering degree could take you.

<https://www.futurelearn.com/courses/the-science-of-nuclear-energy>

The Science of Nuclear Energy

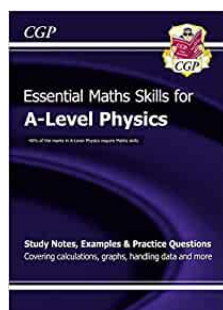
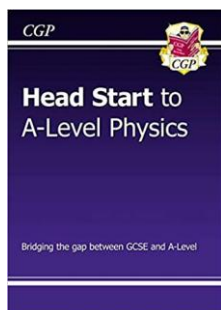
Discover the science behind nuclear energy and its role in energy provision in the past, present and future

<https://www.futurelearn.com/courses/flight-mechanics>

ABC of Flight Mechanics: How Do Planes Fly?

Discover how airplanes work and explore simple flight mechanics: from take off and landing, to the physics of flight.

And finally.....



A lot of new students struggle with the more difficult **maths** content in A Level Physics. If you think this could be you, we recommend two CGP books that may help: “Essential Maths Skills for A Level Physics” and “Head Start to A level Physics”

<https://www.amazon.co.uk/Head-Start-level-Physics-Level/dp/1782942815>

https://www.amazon.co.uk/Level-Physics-Essential-Maths-Skills/dp/1782944710/ref=pd_lpo_14_img_2/258-6671434-9346843?encoding=UTF8&pd_rd_i=1782944710&pd_rd_r=1b94db95-fe7b-437e-ab89-26cfd1cee85&pd_rd_w=lpBw4&pd_rd_wg=eXWLM&pf_rd_p=7b8e3b03-1439-4489-abd4-4a138cf4eca6&pf_rd_r=PKW1DVPDDR4VKQW7Q229&psc=1&refRID=PKW1DVPDDR4VKQW7Q229