

# A-Level Physics

## The Course

A Level Physics is accepted as an entry qualification to a surprisingly wide range of university degree courses, from accountancy to veterinary science as well as to the more obviously physics-based courses, such as acoustics, astronomy, engineering (civil, electrical, electronic, mechanical, production etc.) and ophthalmic optics. It also prepares you for employment in a wide variety of fields.

Physics helps us to organize the universe. It deals with fundamentals, and helps us to see the connections between seemingly disparate phenomena. Physics gives us powerful tools to help us to express our creativity, to see the world in new ways and then to change it.

## Tasks

As a department, we have created a Team for you to access the 'Pre-Reading' materials. This is the most effective way for you to access materials, ask questions to staff directly before the start of your A-Level.

To join this Team please use the code: **zhg9km1**

In this team you will find specific tasks to refresh your understanding of GCSE topics which will be developed upon in Y12. Your subject teachers will add further resources to this as we draw closer to the start of your course.

Before you start your Physics lessons you will need to be confident in the content covered in year 10 and 11. We would like you to look at some of the following topics that were covered in year 10 and 11 and create a summary page for each topic.

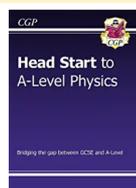
- Electric Circuits
- Forces and Motion
- Forms of Energy, Energy Transfers & Efficiency
- Waves

The introductory unit to AS Physics also contains a large proportion of maths and it is essential that you are comfortable in using and manipulating Pythagoras' theory and in applying trigonometry (SOH CAH TOA).

## Pre-Course 'Reading'

Please download the **FREE KINDLE EDITION** of CGP Head Start to A-Level Physics from the following link:

[https://www.amazon.co.uk/Head-Start-level-Physics-Level-ebook/dp/B00VE2NII4/ref=sr\\_1\\_3?dchild=1&keywords=cgp+headstart&qid=1585576356&s=books&sr=1-3](https://www.amazon.co.uk/Head-Start-level-Physics-Level-ebook/dp/B00VE2NII4/ref=sr_1_3?dchild=1&keywords=cgp+headstart&qid=1585576356&s=books&sr=1-3)



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