



6th Form 2025 Summer Transition Work

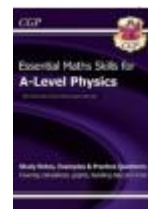
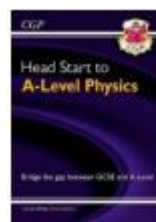
SUBJECT:	A-LEVEL PHYSICS
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Dear future A level Physicists. I am very excited to have you join the course next year. Below I have included several different resources for you to access over the summer. Some of these like the YouTube channels provide clear explanations of upcoming topics, others like the podcasts and documentaries I hope will make you (even more) enthusiastic for the subject!

The most important resource I need you to access and complete is at the end of the document in the "Summer Project/Activity" box. Your GCSE Maths and Physics skills need to be at a really good level and completing this document will recap these skills and get you to practice them. This document must be completed over the summer and handed in in September.

Listed below are the pre-reading and preparatory tasks you should complete prior to commencing your 6th form course. These tasks are designed to help you transition smoothly and succeed academically and personally in your new environment.

Task	Resources or Guidance
Recommended reading: Head Start to A-Level Physics. CGP Books. A-Level Physics: Essential Maths Skills. CGP Books.	(Available as a hard copy and online version). https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/physics/pbr72-head-start-to-a-level-physics-with This book gives you an excellent head start to your A level studies. It goes over crucial topics you'll need to remember from GCSE, with crystal-clear study notes, examples, and practice questions. Available as a hard copy and online version). https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/physics/pmr71-a-level-physics-essential-maths-skills



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"Deo Reddite Deo"

"Give back to God what belongs to God"

	This books explains how to carry out Calculations, Geometry, Trigonometry, Graph Skills and Handling Data, with clear study notes and step-by-step examples in the context of Physics.
Follow these YouTube Channels and begin to access the videos	https://www.youtube.com/@PhysicsOnline https://www.youtube.com/@ScienceShorts
Watch these documentaries	https://www.bbc.co.uk/iplayer/episode/m001wqv9/searching-space-inside-the-atom-smasher https://www.bbc.co.uk/iplayer/episodes/b006mk7h/the-sky-at-night
Subscribe and listen to these podcasts.	The Field Guide to Particle Physics: https://open.spotify.com/show/0Xhl35T6SxndExB0BTq2yc?si=60a941dc4cd649ec Ohms For Dummies: https://open.spotify.com/show/6vWUs9eO7gWBCzMBXXkuKP?si=12ab4e3801ec4de_c

Summer Project / Activity	Resources or Guidance
<i>There are a few things you have to be really confident in to make a really successful start in A-Level Physics. These are foundations from GCSE but you need to be expert in them by the time you start in the summer. The booklet that can be accessed from this link sets out these key requirements and provided an opportunity for you to practice – please ensure you have <u>completed it before we start in September.</u></i>	<u>Summer Physics-A-level-Prep-(1).docx</u>

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