

A-Level Summer Work – Physics 2025-26

Please complete the highlighted task and submit it to your teacher in the first lesson in September.

The other tasks offer an extended opportunity to prepare for A level.

Introduction to the course	GCSE Flashback	A level subject preparation tasks
<p>Overview of the course</p> <p>Online resources ALP Student Room Maths and Physics tutor Edpuzzle Isaac Physics A level Physics Online</p> <p>Specification</p> <p>List of resources that are required for the course:</p> <ul style="list-style-type: none">• Folders/ dividers• Notebook• Scientific calculator• Pens/pencils/ruler/protractor• Lab book (you will purchase this from the school when we return)	<p>For fun, read “The First Quantum Physicists” from Pagels’ The Cosmic Code. Write down as many keywords, phrases and links as you can to your studies of GCSE Physics in the chapter. I found at least twenty-five links to GCSE Physics. How many can you find?</p> <p>Complete, for fun, the crossword puzzle to recall more keywords from GCSE Physics!</p>	<p>Transition booklet Complete a task in the booklet each day. When you are finished, Red/Amber/Green that section so that we can identify your confidence.</p> <p>Further work (optional): Pagels also mentions several phrases that you might not recognise yet, but will learn about in the first few weeks of A-Level. Research the following terms and write a very brief explanation (2-3 sentences) of each:</p> <ul style="list-style-type: none">• Subatomic• Plank’s Constant, h• Photoelectric Effect• Wave-particle duality

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