

A-Level Bridging Work – Physics 2022-23

All tasks should be completed and handed in to your teacher during your first lesson at the start of the academic year. **The highlighted task** should take approximately **one hour** to complete and this should be submitted to your teacher on the A-level induction day in term 6.

Introduction to the course	GCSE Flashback	A level subject preparation tasks
<p>Overview of the course</p> <p>Join our online groups:</p> <ul style="list-style-type: none"> • Edmodo (nejqsc) • Isaac Physics (A8AXUX) • Seneca (ep0pczw7lr) <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>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 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: 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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