

Independent Scholarship Award: A Level Physics

Bronze (Must Be Completed)	Silver	
<p>1. Complete the 2018 AQA GCSE Physics (8463) papers 1 and 2, and mark them. You can find them on the AQA website:</p> <p>Combined (Trilogy) award students - it would be a good idea if you did the same paper, however we would completely understand if you did the 2018 AQA GCSE Trilogy Physics (8464) paper 1 and paper 2 instead. These can be found on the same link as above.</p> <p>2. Master the GCSE course using the outcome of the past papers above to focus on a few areas of relative weakness. The BBC bitesize site is useful here.</p> <p>https://www.bbc.co.uk/bitesize/examspec/zsc9rdm</p> <p>3. Complete the “Physics - A-level summer introductory work” as described on the pdf</p>	<p>1. Complete at least one more past paper 1 and 2 as described in the bronze award. These can be found on the AQA website.</p> <p>2. Work through at least 5 of the “physics factsheets” (these are the pdfs whose name starts with a number e.g. “11 Radioactivity”)</p> <p>You can choose the ones that interest you.</p> <p>We would however, recommend that you pick at least two topics that you would be familiar with from GCSE – e.g. series and parallel circuits, wave properties etc..</p> <p>The remaining ones could be regarding topics you are intrigued by – for example quantum physics and special relativity.</p>	<p>1. Read at least one of the books recommended in the “introductory work”, writing a 250 word summary of what you learned and what you found most intriguing and why.</p> <p>2. Complete the “dark matter and energy” research task by following the link here.</p> <p>You will need to work through this physics factsheet 302 on “research and referencing” to complete this task to satisfaction.</p>