










<p>6th Form Preparation work for</p> <p>Physics</p> <p>Week 3 and 4</p>	 <p>Watch a number of podcasts that introduce you to a wide range of A level Physics topics that are expanded on from GCSE. This is a good activity to prepare you for A level studies.</p> <p>Getting Ready for A Level Physics GCSEPod</p> <p>Time: 70 min</p>	 <p>Complete the task on Mechanics. There are a number of activities for you to read though/attempt and then a worksheet (with answers) to check your understanding.</p> <p>Mechanics Activities University of Cambridge – MyHE+</p> <p>Time: 1hr</p>	 <p>Read and complete a number of activities designed to develop the skills you will need to be successful in A level Physics, from standard form to gradients of graphs, it's all here! (NOTE: you may have to set up a free account).</p> <p>GCSE to A Level Transition Skills isaac Physics</p> <p>Time: 90 min</p>
 <p>Listen Melvyn Bragg and guests discuss the phenomenon behind the auroras at Earth's poles, the stream of charged particles spreading out from the Sun to the border of the solar system.</p> <p>Solar Winds BBC Radio 4 Time: 55 min</p>	 <p>Watch the TED talk. Is there more than one universe? In this visually rich, action-packed talk, Brian Greene shows how the unanswered questions of physics have led to the theory that our own universe is just one of many in the "multiverse."</p> <p>Is our universe the only universe? TED Talks Time: 20 min</p>	 <p>Read the four sections labelled 'The Basics of Physics'. This includes: the basics of physics; units; significant figures and orders of magnitude; and solving physics problems.</p> <p>The Basics of Physics Boundless Physics Time: 30 min</p>	 <p>Complete and write an essay on <i>one</i> section of physics that interests you from the Boundless Physics website. Your essay will be collected in by your teacher in September and reviewed.</p> <p>Boundless Physics Boundless Physics Time: 1hr 30 min</p>
 <p>Complete the task on Quantum Physics. There are a number of activities for you to read though/attempt and then a worksheet (with answers) to check your understanding.</p> <p>Quantum Physics Activities University of Cambridge – MyHE+ Time: 1hr</p>	 <p>Download the Head Start to Physics guide. This free download is for an Amazon Kindle or the Amazon Kindle App will introduce you to a range of topics and activities to help you prepare for the step-up to A level.</p> <p>Head Start to Physics Amazon</p>	<p>Interested in a STEM-related internship? Follow the link below to find out more about online summer internships.</p> <p>STEM Internship InvestIN Education</p>	