



<p>A Level Syllabus and Assessment Structure:                  AQA Syllabus A (<a href="https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408/specification-at-a-glance">https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408/specification-at-a-glance</a> )                  3 papers sat at the end of the U6th                  Practical Work continuously assessed leading to CPAC Certificate                  You will need a physical or soft copy of the text book: AQA Physics A Level by Jim Breithaupt (available at <a href="https://www.amazon.co.uk/AQA-Physics-Level-Student-Book/dp/0198351879">https://www.amazon.co.uk/AQA-Physics-Level-Student-Book/dp/0198351879</a> or elsewhere and some second hand copies will be available from me for £20)</p>	
Required (Task Time: )	N/A
Highly Recommended (Task Time: 3 hours)	<p>We suggest that you read a book about Particle Physics (for example Frank Close (2004) Particle Physics: A Very Short Introduction. Oxford University Press. ISBN 0-19-280434-0)</p> <p>These are also excellent resources:  <a href="http://en.wikipedia.org/wiki/Particle_physics">http://en.wikipedia.org/wiki/Particle_physics</a>  <a href="http://www.particleadventure.org/">http://www.particleadventure.org/</a></p> <p>These will help you to answer the following questions in your own words:</p> <ol style="list-style-type: none"> <li>1. What is meant by the "Standard Model of Physics"?</li> <li>2. What are the fundamental forces of nature?</li> <li>3. What is antimatter?</li> </ol> <p>Please write about a page of A4 explaining what you understand about the three questions above and bring them to your first Physics lesson</p>
Optional	The attached document "AQA Transition Guide"
Optional	The attached document "AQA Transition Material"