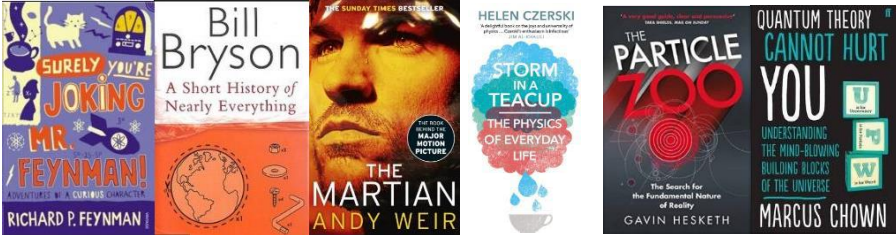


Subject A – Preparation for sixth form (2 Page Document)

Congratulation on picking the Physics - best A Level course there is! We hope this gives you some guidance as how best to prepare yourself for starting the course.

You must complete every section of the *compulsory* work needed to support your transition into Physics A level, it is also highly recommended that you complete the *suggested* preparation work.

			Completed
Compulsory preparation work	GCSE revision	<p>Your Y11 knowledge is essential in supporting your transition to A level. Complete the attached GCSE transition questions. These are designed to test your understanding of the topics you studied at GCSE.</p> <p>There are loads of videos here: https://www.youtube.com/channel/UCZzatyx-xC-DI_VVUVHYDYw if you find that there are topics you need to go over again</p>	
	Online resources	<p>"It is essential that you download these resources and print if possible / if not work through online. If you have problems downloading please contact Mrs Bell or Mr Greenwood.</p> <p>Head Start to Physics A Level book – currently £2.62 as Kindle edition (also available as a paperback for £4.95)</p> <p>https://www.amazon.co.uk/Head-Start-level-Physics-Levelbook/dp/B00VE2NII4/ref=msx_wsirn_v1_6/259-0922743-%204799544?encoding=UTF8&pd_rd_i=B00VE2NII4&pd_rd_r=0b9dbe cd8c91-43ed-8cb7-%2095c3137282ef&pd_rd_w=XxLER&pd_rd_wg=adPAb&pf_rd_p=2c73497e0658-4f6d-8f3c-06c5%22</p>	
	Maths skills	<p>To study Physics, you need some essential maths skills. Work through the maths skills document to make sure your maths is up to scratch.</p> <p>Once you have done that, do the questions in the 'test your maths skills' document to see if you can apply your maths skills to physics problems.</p>	

Suggested preparation work	<p>Interesting things to do/watch/read</p>	<p>Look at the 'movies, research and more' document. Watch one of the suggested films, a ted talk or do one of the research activities.</p> <p>Some book recommendations</p>  <p>Explore lots of different physics ideas at http://www.physics.org/</p> <p>Look at the activities from the Warwick Journal Club https://warwick.ac.uk/fac/sci/physics/outreach/journalclub</p> <p>Learn about the Northern lights and the Solar system https://www.youtube.com/channel/UCRkUIY0rg5JOLtoaHzh2rrw</p>	
	<p>Research task</p>	<p>Research a Physicist – word limit 500 words \pm 10%. (see requirement below)</p> <ul style="list-style-type: none"> Choose at least one Physicist (ideally one you have not heard of) that is in a field of physics you are interested in. who are/were they and what did they discover or are working on. How their science applies to everyday modern life today Why did you choose this Physicist? Include your references (ideally Harvard referencing style – there are plenty of free tools online to help you do this) <p>There are lots on Twitter/Instagram that you can get in contact with (they do not have to be super famous or dead or have won a Nobel prize). Or if you do not want to talk to anyone directly you can find long lists of people online.</p>	