

Physics A level – Summer work

It was great to meet many of you at the induction week and I am really looking forward to welcoming you into physics A level in September.

Physics A level is a significant step up from GCSE but a lot of the basics are the same. With this in mind I have set you a variety of tasks to help you get back up to speed so you hit the ground running in September. I'd recommend starting these towards the end of the summer but no later than the last week otherwise you will run out of time, especially if you are doing work in other subjects.

Contents

1. Data Handling worksheet
2. Algebra for physics worksheet
3. Waves
 - Read through Waves A level transition and complete the questions
 - Attempt the Waves exam questions (GCSE)
 - Mark your exam questions (the answers are also included!) and make a note of any areas you have struggled to understand
4. Atomic Structure and Nuclear
 - Read through the Atoms and Nuclear Physics A level transition sheet and complete the questions
 - Attempt the Atoms and Radioactivity exam questions (GCSE)
 - Mark your exam questions (the answers are also included!) and make a note of any areas you have struggled to understand

It would be a good idea to read a book about physics over the summer but equally there are many great video resources freely available on you-tube to watch if you prefer. Either way spend some time reading, listening or watching something physics related over the summer and let me know what you find out.

A couple of books I have enjoyed reading recently:

Brief answers to the big questions – Stephen Hawking

Mr Tompkins in paperback – George Gamow

Please feel free to contact me if you have any questions and I hope you enjoy the summer break.

Kind Regards

Mr Sykes

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